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<151> 1999-06-15

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<150> PCT/US01/00911
<151> 2001-01-12

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<151> 2000-01-18

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<150> PCT/US00/28664
<151> 2000-10-17

<150> US 09/833,245
<151> 2001-04-12

<150> PCT/US01/11988
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<150> US 10/100,683
<151> 2002-03-19

<150> PCT/US02/08123
<151> 2002-03-19

<160> 2050

<170> PatentIn Ver. 2.0

<210> 1
<211> 733
<212> DNA
<213> Homo sapiens

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aattcgaggg tgcaccgtca gtcttcctct tccccccaaa acccaaggac accctcatga 120
tctcccggac tcctgaggtc acatgcgtgg tggtggacgt aagccacgaa gaccctgagg 180
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ggctgaatgg caaggagtac aagtgcaagg tctccaacaa agccctccca acccccatcg 360
agaaaaccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc 420
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gactctagag gat 733

<210> 2
<211> 5
<212> PRT
<213> Homo sapiens

<220>
<221> Site
<222> (3)
<223> Xaa equals any of the twenty naturally ocurring L-amino acids

<400> 2
Trp Ser Xaa Trp Ser
1 5

<210> 3
<211> 86
<212> DNA
<213> Artificial Sequence

<220>
<221> Primer_Bind
<223> Synthetic sequence with 4 tandem copies of the GAS binding site found in the IRF1 promoter (Rothman et al, Immunity 1:457-468 (1994)), 18 nucleotides complementary to the SV40 early promoter, and a Xho I restriction site.

<400> 3
gcgcctcgag atttccccga aatctagatt tccccgaaat gatttccccg aaatgatttc 60
cccgaaatat ctgccatctc aattag 86

<210> 4
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<221> Primer_Bind
<223> Synthetic sequence complementary to the SV40 promoter; includes a Hind III restriction site.

<400> 4
gcggcaagct ttttgcaaag cctaggc 27

<210> 5
<211> 271
<212> DNA
<213> Artificial Sequence

<220>
<221> Protein_Bind
<223> Synthetic promoter for use in biological assays; includes GAS binding sites found in the IRF1 promoter (Rothman et al., Immunity 1:457-468 (1994)).

<400> 5
ctcgagattt ccccgaaatc tagatttccc cgaaatgatt tccccgaaat gatttccccg 60
aaatatctgc catctcaatt agtcagcaac catagtcccg cccctaactc cgcccatccc 120
gcccctaact ccgcccagtt ccgcccattc tccgccccat ggctgactaa ttttttttat 180
ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt 240
ttttggaggc ctaggctttt gcaaaaagct t 271

<210> 6
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<221> Primer_Bind
<223> Synthetic primer complementary to human genomic EGR1 promoter sequence (Sakamoto et al., Oncogene 6:867871 (1991)); includes a Xho I restriction site.

<400> 6
gcgctcgagg gatgacagcg atagaacccc gg 32

<210> 7
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<221> Primer_Bind
<223> Synthetic primer complementary to human genomic EGR1 promoter sequence (Sakamoto et al., Oncogene 6:867871 (1991)); includes a Hind III restriction site.

<400> 7
gcgaagcttc gcgactcccc ggatccgcct c 31

<210> 8
<211> 12
<212> DNA
<213> Homo sapiens

<400> 8
ggggactttc cc 12

<210> 9
<211> 73
<212> DNA
<213> Artificial Sequence

<220>
<221> Primer_Bind
<223> Synthetic primer with 4 tandem copies of the NFKB binding site

(GGGGACTTTCCC), 18 nucleotides complementary to the 5' end of the SV40 early promoter sequence, and a XhoI restriction site.

<400> 9
gcggcctcga ggggactttc ccggggactt tccggggact ttccgggact ttccatcctg 60
ccatctcaat tag 73

<210> 10
<211> 256
<212> DNA
<213> Artificial Sequence

<220>
<221> Protein_Bind
<223> Synthetic promoter for use in biological assays; includes NFKB binding sites.

<400> 10
ctcgagggga ctttcccggg gactttccgg ggactttccg ggactttcca tctgccatct 60
caattagtca gcaaccatag tcccgccccc aactccgccc atccgcccc taactccgcc 120
cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180
ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240
cttttgcaaa aagctt 256

<210> 11
<211> 2797
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (853)..(853)
<223> n equals a,t,g, or c

<400> 11
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ctgcatggag aaaatgggac agggcctgct aagttcaaca tacctcacag tgttacactt 180
gattcagctg gtcgggtgtg ggttgctgac cgaggaaata aaagaatcca agtatttgat 240
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<210> 12
<211> 459
<212> DNA
<213> Homo sapiens

<400> 12
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gacaatgaca gctgatattt attggacatt tgcaccatgc caagcattcg gcttggatta 180
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atgttctatt ctcctacttt gaaaaaaaaa aaaaaaaaa 459

<210> 13
<211> 1939
<212> DNA
<213> Homo sapiens

<400> 13
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ttaaattatg gctgttaag 1939

<210> 14
<211> 540
<212> DNA
<213> Homo sapiens

<220>
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<222> (341)..(341)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (378)..(378)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (425)..(425)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (450)..(450)
<223> n equals a,t,g, or c

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ttaggagagg gggcaggggg gcagcagtag aaatgtggcg gggtccgact tggtgtttcc 120
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<210> 15
<211> 654
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (613)..(613)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (623)..(623)
<223> n equals a,t,g, or c

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aacaaaacaa aanmaaaaaa aanaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 654

<210> 16
<211> 1445
<212> DNA
<213> Homo sapiens

<400> 16
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tcctgaagct gtttaggaat attcatgata tacccttaac tgttctagag aacaaaatgc 120
gtctgtgctc cttcacaaaa gtccctatga atttgtttct caatgtgatc cttcttaagt 180
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<210> 17
<211> 1722
<212> DNA
<213> Homo sapiens

<400> 17
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tggggtgcgg gcagtaccgc aggaagagga gcagcccctg tgaagattga gagctgccag 180
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gcaccggagc ttgagagagg gcgggagtgg gaaggctaag aatctgctta gtaaatggtt 1680
tgaactctca aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1722

<210> 18
<211> 1453
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (946)..(946)
<223> n equals a,t,g, or c

<400> 18
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ctgaaaataa taagctgaaa atattcctct ttggcataag gattatttgg tgtggcatgt 180
tctgaacctc cactgttggc atcctttctt gattagcaga aacctaggaa cattgttgta 240

ataatgacta aattattgtc actgtcacat ttgttagtaa ctttttttaa tataattgcc 300
attaaatgta aaaagcagca tctaagacat tcaaaatgta atttkgatac tacttttaaa 360
aataagatgc taaattaata gataaggtgg gtttcctcag tatattttca ttctaaacca 420
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ggaagtgagt aaatctctca gaggtggctt aaataccatc atgtcctgaa aaaaaaaaaa 1440
aaagggcggc cgc 1453

<210> 19
<211> 1752
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (356)..(356)
<223> n equals a,t,g, or c

<400> 19
gtcggcggcg gcggcggcgg ttgaactgac tcggagcgag gagacccgag cgagcagacg 60
cggccctggc gcccgccctg cgcactcacc atggcgatgc atttcatctt ctcagataca 120
gcggtgcttc tgtttgattt ctggagtgtc cacagtcctg ctggcatggc cctttcggtg 180
ttggtgctcc tgcttctggc tgtactgtat gaaggcatca aggttggcaa agcaagctgc 240
tcaaccaggt actggtgaac ctgccaacct ccatcagcca gcagaccatc gcagagacag 300
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tgctggccgt aatgtcctac aacacctgga ttttccttgg tgtggtcttg ggctctgctg 480
tgggctacta cctagcttac ccacttctca gcacagctta gctggtgagg aacgtgcagg 540
cactgaggct ggagggacat ggagcccccc cttccagaca ctatacttcc aactgccctt 600
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ctctatttat tacttactgc ttactcgtaa tgatctagtg gggaaacatg attcattcac 1500
ttaaaatact gattaagcca tggcaggtac tgactgaaga tgcaatccaa ccaaagccat 1560
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ggaaagagag aaaatcactg ctgtatacta aatacctcac agattagatg aaaagatggt 1680
tgtaagcttt gggaattaaa aacaaacaaa tacattttag taaatatata tttttaaata 1740
aaaaaaagaa aa 1752

<210> 20
<211> 2321
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (787)..(787)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (880)..(880)
<223> n equals a,t,g, or c

<400> 20
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agtgtgatac attctctaaa gcaacatgtt gtaaaatttt actgctttct tgttgtgttt 120
tatatcttgt tttctccagg cttcgtggac tcgaccagag aagcaagagg tatagcttac 180
ctgaccacta gccagtcttt agttttgaaa gcattacagt ttaactcacc attgcagttt 240
aataaccaga catgctaaac taattagtaa tttagctaaa gaataggtcg atagggtgtag 300
acattactta gcaatagtat catttaggat gagcaagcaa gctgtgttgg gagtggatga 360
acaaatccat attatttcct aaaactggat cttattctct tgctggtgct ggtaaaatca 420
catccaggta attacaccaa tagaaataaa ttgcccccaa ttcccaggcc aggcattttg 480
aaatggtgaa agtttttttga ctcacatggt tgatgtggct ctggaccata aagtcacaga 540
gttagtgatc taaaaaccca ctcctccctt tcctttccag ctcaactcat cttgttgctc 600
acttatttta taatgatcag tcttggtaaa ttatcacatc acgtttcatc tcaaaagcaa 660
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cagataattc catcatcaaa tctgtagtga gcctactgca aaataagaat tctctttaga 2220
aggctggtct gtggacatca ttaaacagga gaaatttcca catggagaaa tttcctgaaa 2280
gaaactagat aggaattaaa aaaaaaaaaa aaaaactcgt a 2321

<210> 21
<211> 843
<212> DNA
<213> Homo sapiens

<400> 21
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tggagccttt cccccgtggt gtgtggctat agcggggaca tgaagggggt gtgttgggga 120
cgtagtgacc actcccttct accgtcagag atcctgcttc cccctgcccc ctgcccctcc 180
tcggctgtcc ttcataaccc cccacccact ccccacctgc catctcctgt gcttgtgcgg 240
atccaggaag cacctacctg ggcacagaga tcatcgctcg gtgcctcgcc cctacacaag 300
ggcgattaac ttctctgtta tgaactccta cttagtaatt ctgacatgaa actcccacta 360
ggataaaact tggcgcagaa cagcaattac tgaaaacaca tttttaaaaa ggttgatgtt 420
ttgtaagagt tcatcctcct ccactcctca gcctcctcaa ggagacacat atttagatct 480
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gcaggagaat catttaagcc tgggagatcg aggctgcagt gaggtatggt ttcaactgct 780
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aaa 843

<210> 22
<211> 1382
<212> DNA
<213> Homo sapiens

<400> 22
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caatgggagg aaaggcggac tctcaggaac ttcattcttc acgtggttta tggtgattgc 120
attgctgggc gtctggacat ctgtacctgt cgtttggttt gatcttgttg ttgatgagca 180
gattactagc caaagcaaag gacttccgtt ataacttatc agaggtgctt caaggaaaac 240
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gaatatgtat cttaatgttg tacataggga aattattcat cctaaaaaaa aaaaaaaaaa 1380

aa 1382

<210> 23
<211> 1734
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1714)..(1714)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1719)..(1719)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1723)..(1723)
<223> n equals a,t,g, or c

<400> 23
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aaaagcagtt tagagtggta aaaaaaaaaa aaaacacacc aaacgctcgc agccacaaaa 120
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ctgattacag gagctgggca tggaattggg agactgactg cctatgaatt tgctaaactt 300
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atttacagct ctgcaaagaa ggtgaagnca gaaattggag atgttagtat tttagtaaat 480
aatgctggtg tagtctatac atcagatttg tttgctacac aagatcctca gattgaaaag 540
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gccaaacatt tctgcacagg gaagctagag gtggatacac gtgttgcaag tataaaagca 1620
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atcacactta aaaaaaaaaa aaggggggcc cgcnctggng ggnccaagct ttcg 1734

<210> 24
<211> 1357
<212> DNA
<213> Homo sapiens

<400> 24
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tttgtgcaat aggttccaat atgcatttat tagacatctg tttaaatggt aatgtagcat 180
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cctcagacca caagagcgga ctgccctggc ccaagcactg cagctgcctg caccccgggg 480
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 1357

<210> 25
<211> 1313
<212> DNA
<213> Homo sapiens

<400> 25
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tttctaggtc tttcctgtca ggtccaccaa tattttagat ggatggagca cttgattaga 180
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<210> 26
<211> 1003

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (990)..(990)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1002)..(1002)
<223> n equals a,t,g, or c

<400> 26
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cactctacct ctgacagcat gtatattgca ccagtagcta acaaaaactg gtctagtcaa 120
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<210> 27
<211> 1963
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (335)..(335)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1959)..(1959)
<223> n equals a,t,g, or c

<400> 27
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cagttgcaga atgaagaaga gtctggagaa cctgaacagg ctgcaggtga tgctcctcca 300
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gtttccaaag cccccatctt acaatgtagc tacaacactg cccagttatg atgaagcgga 420
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tcgggatgat tttgatgatg ctgaccagct gaggatagga aatgatggga ttttcatgtt 540

aacttttttc atggcattcc tctttaactg gattgggttt ttcctgtctt tttgcctgac 600
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caacagaaca ttaataaata tctcttgtgt agcaccttta aaaaaaaaaa aaaaaaaaaa 1920
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<210> 28
<211> 796
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (748)..(748)
<223> n equals a,t,g, or c

<400> 28
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aaaaaaaaaa ctcgag 796

<210> 29
<211> 1256
<212> DNA
<213> Homo sapiens

<400> 29

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<210> 30
<211> 752
<212> DNA
<213> Homo sapiens

<400> 30
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gtatacatct gtgagttttg ttctcacttc cacctctaat ttgaagaaca ctttaattga 240
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acaattattt tgagattcat ttatgttawt gtatgtatca atagttcatc cctttattg 600
gtaagtaaca tttttttgta taggtatacc atgatttgtt gatgaacaaa tttacctgtt 660
gatgaacatt tacgttgtta ccaagatttt tgctattgaa aataaagttt ttatgaatat 720
ttatatatat aaaaaaaaaa aaaaaaactc ga 752

<210> 31
<211> 2243
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (929)..(929)
<223> n equals a,t,g, or c

<400> 31
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aaaaaaaaaa aaaaaaactc gag 2243

<210> 32
<211> 1624
<212> DNA
<213> Homo sapiens

<400> 32
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aaaa 1624

<210> 33
<211> 879
<212> DNA
<213> Homo sapiens

<400> 33
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<210> 34
<211> 2761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1006)..(1006)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1376)..(1376)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (2211)..(2211)
<223> n equals a,t,g, or c

<400> 34
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c 2761

<210> 35
<211> 755
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (733)..(734)
<223> n equals a,t,g, or c

<400> 35
natttcccgt tcagttattc cggtgacact atagaaggta cgcctgcagg taccggtccg 60
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agacaggagc tggggctctg catctcacag cggtgcctgt cagacaggaa gaagtcccgc 180
agaagtggcg tgtgggtcag ggcctgcacg atgcagttca tgaagcatgt gttcccaagg 240
ttgatcagcc cacgcagacc tatggtgcag ttcgaggtga tctttctcct tttcgggttg 300
tgcttcagca gttcaagctc ccgtttggtt ggttcccaag ttgaaaactt ctctccaacg 360
ccttgcattt tccaagcttt tcgctgctcc tccttggcga ttatttccat gttttgtca 420
tagatgtagt cctggcacag aaaacagtag atgcctccgt acatcagatc aatggccagg 480
ttgtgccgct tcgccttcgc atgctcgtga atatgcttct ttgtgaaaca gccgaagaag 540
acacagtaga ggcaggaatg cagcctgttg aggtggacgc cacagacatg gcagatacag 600
gacttggcct tgcgcttgcg ggcctcagcc gtgccgctcc acacgaagca ctggtagatg 660
gcccgcaggt tctgcttcca gttgtccacc ttgaagctgc ccaggtgcga gcagcccggc 720
ggcgctaccg ccnnctcggc gtccatggcc tcgcc 755

<210> 36
<211> 2089
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (774)..(774)
<223> n equals a,t,g, or c

<400> 36
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tcttcctccc catcaggggc agtgcccacg tctttggagc tgcagcgagg gacggatggc 180
ggaaccctcc agtccccttc agaggcgact gcaactcgcc cggccgtgcc tggactccct 240
acagtggtcc ctactctcgt gactccctcg gcccctggga ataggactgt ggacctcttc 300
ccagtcttac cgatctgtgt ctgtgacttg actcctggag cctgcgtat aaattgctgc 360
tgcgacaggg actgctatct tctccatccg aggacagttt tctccttctg ccttccaggc 420
agcgtaaggt cttcaagctg ggtttgtgta gacaactctg ttatcttcag gagtaattcc 480
ccgtttcctt caagagtttt catggattct aatggaatca ggcagttttg tgtccatgtg 540
aacaactcaa acttaaacta tttccagaag cttcaaaagg tcaatgcaac caacttccag 600
gccctggctg cagagtttgg aggcgaatca ttcacttcaa cattccaaac wcaatcacca 660
ccatcttttt acagggctgg ggaccccatt cttacttact tccccaagtg gtctgtaata 720
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gctataaact gtacttcctg ctgtctcata ccagtttccc tggagatcca ggtattgtgg 1560

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gcagccactt atcttggcta aatagaacct cacctgctca tgaccagaga gcatttagga 1980
taatagagga cctaactgaa ggaatccttg tatatgaaag gagttatttt agaaaagcaa 2040
taaaaatatt ttattcatma aaaaaaaaaa aaaaaaaaaa aaaaaaaaa 2089

<210> 37
<211> 785
<212> DNA
<213> Homo sapiens

<400> 37
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aaatcagatt gccaggaaga aataggacgt gacggtactg ggccctgtga ttctcccagc 180
ccttgcagtc cgctaggtga gaggaaaagc tctttacttc cgcccctggc agggacttct 240
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tcctgcgcat gcaagccctg ctgtgtggct gtcgtttaca tttgggaggt gtcctgattg 480
tctgtacgtt ggggactgcc tgtatttgga agatttaaaa acctagcatc ctgttctcac 540
cctctaagct gcattgagaa atgactcgtc tctgtatttg tattaagcct taacactttt 600
cttaagtgca ttcggtgcca acatttttta gagctgtacc aaaacaaaaa gcctgtactc 660
acatcacaat gtcattttga taggagcgtt ttgttatttt tacaaggcag aatggggtgt 720
aacagttgaa ttaaacttag caatcacgtg ctcaaaaaaa aaaaaaaaaa aaaaagggcg 780
gccgc 785

<210> 38
<211> 1458
<212> DNA
<213> Homo sapiens

<400> 38
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caacagaagc ggtgatcgtc taagtatgag cctgtggctt cctttgtgca tttgagcatg 120
ctgtaattaa gatgagatca gtttcttaga aaaagctttc ctgaatccct ctgacgttgc 180
ctgggatctt tctgttgatt cgtcttttct ggagattggg acagagcatc tgtggtccag 240
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tgcctcgggg gatgcctagt tcgtggcttc ctggctgttt tgtccttctg tgtcttgtag 360
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ctttgccgca cctccaggtt ctgggcatga gaggccgtgg cctcatttct ggtggataac 480
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ttgtaccata ttgtaaatta tattatttat tctttaccaa ttttgggaat aaaaggtgtt 1320
ttggttattt aatataataa gagctgttaa acttctgttt aaatttccag ttcaacttgt 1380
aaatgttttt attgtgcata aatacatact aatgttgatc taaaaaaaaa aaaaaaaaaa 1440
aaaaaaaaaa aaaaaaaa 1458

<210> 39
<211> 2657
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (179)..(179)
<223> n equals a,t,g, or c

<400> 39
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tattactaat tcaccaaatt tgttgagcgc aaaagcaatt aatgtagttt aagtatttag 120
tatgtacagt tctctgtgtt aacagctgag aagtaagcaa ccttttctga ctgcatatng 180
gtgtattcct cttttgagtc cccataatat tttataaatt gtaatgcccc atcttgtact 240
acagttgtct tattcgtatt gtttataaac tttgagggtt aggactgggt cttactcatc 300
tttatgtgcc ttccttatgc ttcaaagaat ttaccatcta atggaagaga acatttgcaa 360
gttggctcca taccaagctc cttccacata ctctactcat ctgaactttg aatgcagaat 420
ctttaaattg caaccccaca tactaaggtc aagaaagaac ttaatgggaa ttaatctcca 480
cccattagct ttaccctgac atcaggattg ccaaatccaa tggactcttg tctattctta 540
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gctgtctggg acttgtagat aatggtgttt cctagggctc cctccagggc cctctgcctc 720
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ccagacaccc aactgctatg gatcaacttt ttagaatatc ctcacttcaa actgacctta 900
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ggcgcattaa gcgcggcggk tgtggtggtt acscgcagcg tgaccgttac acttgccagt 2640
ggccctagcg gcccgct 2657

<210> 40
<211> 1503
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)..(6)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (18)..(18)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (41)..(41)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1501)..(1501)
<223> n equals a,t,g, or c

<400> 40
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gaaaaggaaa gagcgccaag ctgctagaca ggctccaga agcactgcgt atgaagatta 180
ttactaccac cctcctcctc gcatgccacc tccaattaga ggtcggggtc gtggtggggg 240
gagaggtgga tatggctacc ctccagatta ctacggctat gaagattact atgatgatta 300
ctatggttat gattatcacg actatcgtgg aggctatgaa gatccctact acggctatga 360
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accaaggggg aggggagcac cacctccaag aggtagagct ggctattcac agaggggggc 480
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atgtgattgt atttccaatt tcttgttcat gtaagatttc aataaaacta aaaaatctat 1440
tcaaaacaww aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1500

naa 1503

<210> 41
<211> 1280
<212> DNA
<213> Homo sapiens

<400> 41
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aggattcctc attctccctg aggtcttaac tatcacatca tgcacgttct gccactgctg 120
ttatcactgc tgctgctgct gctgctgctg tcagctagct ttgtgacttt cagcaccccc 180
acttccagca gaaattctag ctgccctgat tgtgagagtc tgaacaccgg tcttccatcc 240
ctgatgatgt ttggtggatc tctgctcaaa tgggttcaga acacacacgg ggtggaatca 300
ctcttgtcct ctgccaaggt gcgcctgctt ccaccagccc taggggttct gttcccaaga 360
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gcaccattat tctttttata aaatacttta cttttaaatt tttacccaac tacgtctatg 1140
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cagaagcata tttttctctc atgtaacagc tagaggaatg tgtgtagtcc agagcataca 1260
aaccacaagt cattcatgac 1280

<210> 42
<211> 742
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (707)..(707)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (724)..(724)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (726)..(726)
<223> n equals a,t,g, or c

<400> 42
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ttggagggca cttctttcgt ggtagttctt ttatttttat taatctctgt atccttagat 180
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atcactgagt ttttttttt aagaattttt ttattgaggt aaacttcaca taacataaaa 360
ttaactattt taaagtgaga agttcagtgc cacttagtat tgttaacaat gttgcataac 420
caccaccttt atttaaagtt ccaaaaaaaa tgttctcctc taaaaggaaa ccccatccca 480
ttaagcagat actctccatt ccttcctcc tccagccccc agcaaccacc aatctgcttt 540
ctgtctctat ggatttatct attcttgcta ttttatataa atcgaattgt atgagacctt 600
ttgtgtctgg cttctttcac ttagtacaag tttttgagat ttatttacat agtagcatgt 660
atcaacactt catttttatg gccaaataaa attgtattat gtgtttntag cacaaaaaaa 720
aaananaaaa atgaccctcg ag 742

<210> 43
<211> 1472
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1)
<223> n equals a,t,g, or c

<400> 43
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ggcagcacgg cttatgggct ggtggggtcc ccgcgctggc tttcgccttt tcataccgga 180
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cgtggatgac gtatccgacc tgtcagccgc tgagatgctg acacttcaca attggctttc 420
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caacaaacta cagctgcaag agaagcagac attcccgccg tgcaacgcgg agtggagctc 600
agccaggggc agccggctct ggtgctccca gaagagtgga ggtgtgagca gaggctggat 660
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<212> DNA
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<212> DNA
<213> Homo sapiens

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<211> 729
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<211> 1079
<212> DNA

<213> Homo sapiens

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<210> 48
<211> 1959
<212> DNA
<213> Homo sapiens

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<211> 812
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<222> (108)..(108)
<223> n equals a,t,g, or c

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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<212> DNA
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<211> 1280
<212> DNA
<213> Homo sapiens

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<211> 953
<212> DNA
<213> Homo sapiens

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<210> 55
<211> 1027
<212> DNA
<213> Homo sapiens

<400> 55
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<211> 1368
<212> DNA
<213> Homo sapiens

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<210> 57
<211> 402
<212> DNA
<213> Homo sapiens

<400> 57
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cctcaggccc tgcccgcttc ctgtccactg ccccctcccc atccccagcc cagccgaggg 180
aatcccgtgg gttgcttacc tacctataag gtggtttata agctgctgtc ctggccactg 240
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tctttttttt ttttttttt ttttggtata ttgctgtatc tactttaact tccagaaata 360
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<210> 58
<211> 864
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
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<222> (706)..(706)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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cattcaggtc ccgacacgag ccccagatgc agtctacaca gaactccagc ccacctctcc 300
aaccccaacc tggcctgctg atgaaacacc acaaccccag acccagaccc agcaactgga 360
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tcccactgat gacaccacga cgctctctga gagaccatcc ccaagcacag acgtccagac 480
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agcttaccgg gcccaagcct ctggnatncc cttgaanagc ctggncagag angggaagac 780
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gnccggccct tgaaggttac ctgg 864

<210> 59
<211> 786
<212> DNA
<213> Homo sapiens

<400> 59
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ccgtttctac attttccttt cctagaacca gtcaataaat gacaaaaaaa aaaaaaaaaa 780
actcga 786

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<211> 1175
<212> DNA
<213> Homo sapiens

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gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaa 1175

<210> 61
<211> 537
<212> DNA

<213> Homo sapiens

<400> 61
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ccaggacacg gccaagagtc cccaccgcac caagttcacc ctgtccctcg acgtccccac 480
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<210> 62
<211> 843
<212> DNA
<213> Homo sapiens

<400> 62
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ttg 843

<210> 63
<211> 849
<212> DNA
<213> Homo sapiens

<400> 63
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<210> 64
<211> 2434
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
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<222> (12)..(12)
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<221> misc_feature
<222> (130)..(130)
<223> n equals a,t,g, or c

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<210> 65
<211> 872
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
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<222> (858)..(858)
<223> n equals a,t,g, or c

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tggaagtatg tggacaccaa gtgttcctgg atggccacag cctgcgaagg aaactggggc 540
cagcagctgc tctgtgtttt cagccaacaa tggctcctgc ccactgccgc tgcataacca 600
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gagaatcgct tgaaccggga ggcggaggtt gcagtgagcc aaaattgcac cactgcactg 780
cagtctgcag gacagagaga ggctmtatct caaaaaaaaa aaaaaaaaaa actcgagggg 840
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<210> 66
<211> 1932
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)..(2)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1022)..(1022)
<223> n equals a,t,g, or c

<400> 66
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ccggccgcct ccggggagga gttctccttc gtcagcccgc tggtgaaata cctgctcttc 180
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cggctaatga agcatgcaga agcagcccta gcctgcctgg cagtggaccc tgccatcctg 300
ctgatcgtgg tgggtgtcct catgttcctg ctcaccttct gtggctgcat tgggtccctc 360
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cagctggccg ctgggatcct gggcttcgtc ttctcagaca aggctcgagg gaaagtgagt 480
gagatcatca acaatgccat tgtgcactac cgagatgact tggatctgca gaacctcatt 540
gattttggcc agaaaaagtt tagctgctgt ggagggattt cctacaagga ctggtctcag 600
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ccaccccatt cccctgcatc ggagctcagt attcctacag ggtaagaggtaggaatcttg 1860
ctgggacgag gggagccaga agtggcaata aaagcgtgtt gacctggaaa aaaaaaaaaa 1920
aagggcggcc gc 1932

<210> 67
<211> 1853
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1840)..(1840)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1851)..(1851)
<223> n equals a,t,g, or c

<400> 67
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tctggcactt atagcccttg agatagtacc gccagcagct ccctgtgaag tgctaacacc 180
ccttcaaagc agcaccaacc caattgtgaa caagctagga gtaaaagacg taaatgaatt 240
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gtgcagggct tgcaggcctt tgtaggcatg ggagcatgct gtgatccctg gttctgtgct 360
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gagagagtgt gatatcaaag tgccmgaasy cctcacggac caacatttag cacagacatt 480
caaactgctg aaagawccaa wcagaactca actgaaaaaa acagaccttt taagaaaagc 540
aatagatctt aatttggtgg caagatccct ggtttacctt ttgaagtcaa aatgttcaat 600
acatcacccg agcttgactt ttgagcactt ggcaagattg ttttttgcca cttgacacaa 660
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gactctccaa aaccgtgatg ccacgaagga aggtcaagtt ttaaaatgtt aaagactgct 960
tgcctctgtt cctgagacta aacagtatac atactaacta cattgacaaa gaaatcctat 1020
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atcctgcact gtatgatata tgtgagttaa aacattggtg catgaattta ttttcaaagt 1740
ataaaacaca tcacttaaac attttatgtg tcaaataaaa tttgattatg taaaaaaaaa 1800
aaaaaaaaac tcgaggggggg gcccggrccc aattcgccan atggagatcc naa 1853

<210> 68
<211> 1061
<212> DNA
<213> Homo sapiens

<400> 68
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gcatcatgga gggtccccgg ggatggctgg tgctctgtgt gctggccata tcgctggcct 120
ctatggtgac cgaggacttg tgccgagcac cagacgggaa gaaaggggag gcaggaagac 180
ctggcagacg ggggcggcca ggcctcaagg gggagcaagg ggagccgggg gcccctggca 240
tccggacagg catccaaggc cttaaaggag accaggggga acctgggccc tctggaaacc 300
ccggcaaggt gggctaccca gggcccagcg gccccctcgg agcccgtggc atcccgggaa 360
ttaaaggcac caagggcagc ccaggaaaca tcaaggacca gccgaggcca gccttctccg 420
ccattcggcg gaaccccccа atgggggggca acgtggtcat cttcgacacg tgcatcacca 480
accaggaaga accgtaccag aaccactccg gccgattcgt ctgcactgta cccggctact 540

actacttcac cttccaggtg ctgtcccagt gggaaatctg cctgtccatc gtctcctcct 600
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aagaccccaa aaagggtcac atttaccagg gctctgaggc cgacagcgtc ttcagcggct 780
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tggctctgag agccccagga ctggctgccc cgtgacacat gctctaagaa gctcgtttct 960
tagacctctt cctggaataa acatctgtgt ctgtgtctgc tgaaaaaaaa aaaaaaaaaa 1020
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 1061

<210> 69
<211> 920
<212> DNA
<213> Homo sapiens

<400> 69
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agtatcactc tgtggggttt cacagcaccc tggatcctgc cttccagccc ctgccaaggt 120
aaacagtgct gcctgcctcc tgtggggaat gcaggatggg gcaatgcct ggcagcaggg 180
tcttgcctca gctgatgcaa ctgtggctgc tcctgtgtgc acagatcatg tgcctggaag 240
ccttcctgca gcagggcagt gtcagaaagt ggaagagtgg tgtgagcagc ttccccgggg 300
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gctcctccag ctgggagctc tcagcccctg gtaaattctg gcagtgaaag acacattagc 420
acctcccccc acaatgaggc acctatctag acaacttggc tgtccgggct taacctgcgt 480
ggcagggaag gacgcctgcc cagccttagc ctctacgcaa tggtggaggc agggagggag 540
agaaccacac agctcccctc atttcccagc agcccccatg ggcctagtc aacagggtgt 600
ggtcacaggc taaatgagca aagatgtgag ctaatatact ggtaggtgtc atgggggctt 660
tcagagctgg gtaaggaggg aaagagatgg agatactggt tccccactcc ttaacgtgcc 720
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caaaaaaaaa aaaaaaaaaa 920

<210> 70
<211> 601
<212> DNA
<213> Homo sapiens

<400> 70
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gatgaccacc gccttgtctt ttatggtaat cactgttctt tgggttttat tactgcattt 180
attggctaat atatgcatcc ctagaaaatg tagttttgcc tgcttttata taaatggaat 240
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ctctgtacat tcttgtatat gtaccttggt gcacatatgt atgtttttct agagtatata 480
cagtggcatg ggattgctga attaaaaggt ttgtatatct tatactagaa gataataaaa 540
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a 601

<210> 71
<211> 1356
<212> DNA
<213> Homo sapiens

<400> 71

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gtacccagct gtgcccgaca ccatgtacct gcccctggcc acctccccga tgcccgctgg 180
gagtacccct ggtgctggat ggctgtggct gctgccgggt atgtgcacgg cggctggggg 240
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gctgcctttt ctggagtttg taaaattgtt cctgaataca agcctatgcg tgaaaaaaaa 1320
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 1356

<210> 72
<211> 1411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1395)..(1395)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1397)..(1397)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1401)..(1401)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1408)..(1408)
<223> n equals a,t,g, or c

<400> 72
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agtctttaaa aaataaagtg attctactct tctaagctta cagagaccag accaggtgaa 120
tgtaactggg gaaaatcaag atggtacctc tctgcattat cccgccagac actgtatttt 180
atgcattcat gtctaggata cagtgtgaaa attaaaaagt ttagagggca gatgcaattg 240
tggcaagtga cctgccaata aagcaggtgc agctatgaaa gctggcatag gtatatcctt 300
aatggtgctt tctccctggg cttgtctttt tgttgttttt ttcccctata ttcagagctc 360
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ccatctccca gcatccatct gcattcagct aagggcggga aactgaccta gtgcctgtgt 480
tgcagaccat ttctgaggtc tccaccatcc aaggaggcac agccgtcatt actgtcctcc 540
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cccctggcac caaggtcttc tgctgcttat gtctaaaggg atcacctata tttaactgcc 660
tcagtgacct aacctctttc ttctcatgtg ccagatgtta agatgaagga ggaatacmac 720
acatactcaa gcctcagcct gtttagttgt tttcactggg gctcgctttt ctgggacggt 780
atttattatc agactggcaa gcctaactcc ataggtttac aggaagtagg gatattttta 840
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aaattcaaaa aaaaaaaaaa aaaaaaaaag ggsggccsct ytaraggatc caascttgcg 1380
tacgcgtgca acganancag ngtcgagngg t 1411

<210> 73
<211> 2229
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2227)..(2227)
<223> n equals a,t,g, or c

<400> 73
ggcagtatat aaaatttgtg gggcttacag cctcgcccac ctgcttcact tctgcagccc 60
acagcatcat attctcgaaa agataaagac caaaggaagc aacaggcaat gtggcgagtg 120
ccctctgatt taaagatgct aaaaagactc aaaactcaaa tggccgaagt tcagtgtatg 180
aaaactgatg taaagaatac actttcagaa ataaaaagca gcagtgctgc ttctggagac 240
atgcagacaa gccttttttc tgctgaccag gcagctctgg ctgcatgtgg aactgaaaac 300
tctggcagat tgcaggattt gggaatggaa ctcctggcaa agtcatcagt tgccaattgt 360
tacatacgaa actccacaaa taagaagagt aattcgccca agccagctcg atccagtgta 420
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aaaaaancg 2229

<210> 74
<211> 1554
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (695)..(695)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (874)..(874)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1190)..(1190)
<223> n equals a,t,g, or c

<400> 74
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tgggacagga gggatctttt gataactttg tgtgagcatg aaaatcgaat ggggaaggga 120
gagctgtgaa aaaaaaatgt tatctctttt tttttgcttc tggaaaccca gctttttggt 180
cagccgtctt gtgatttggc tgggcctggt ttgtgggggt cgctctctga gttgggtagc 240
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<210> 75
<211> 2083
<212> DNA
<213> Homo sapiens

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<210> 76
<211> 427
<212> DNA
<213> Homo sapiens

<400> 76
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aaaaaaa 427

<210> 77
<211> 863
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)..(7)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (298)..(298)
<223> n equals a,t,g, or c

<400> 77
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<210> 78
<211> 1276
<212> DNA
<213> Homo sapiens

<400> 78
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<210> 79
<211> 2494
<212> DNA
<213> Homo sapiens

<400> 79
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<210> 80
<211> 1630

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (527)..(527)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (546)..(546)
<223> n equals a,t,g, or c

<400> 80
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<210> 81
<211> 1860
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (912)..(912)
<223> n equals a,t,g, or c

<400> 81
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<210> 82
<211> 1509
<212> DNA
<213> Homo sapiens

<400> 82
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aaaaaaaaa 1509

<210> 83
<211> 967
<212> DNA
<213> Homo sapiens

<400> 83
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cgggggtcct gggggccctc ctgggggtcc ttgtggctgg acttgccacc catgaagctt 180
acggagatgg cctggagagt gtgtttccac tcatagccga gggccagcgc agtgccacgt 240
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gggtggagga ggcagacact caggcctaac ccactgccag cccctgagag gacacgctcc 600
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ctgcaagaag ggagccatga gccagaagga ggccccttc cacaggcagc gtctccacag 720
ggagaggggc aacaggaggc tgggaaatgg tggggagtgg ggccgtaact gggtacaata 780
gggggaacct caccagatgc ccaacccgac tgccctacca gcctgcacat gggtagaaga 840
ggccaaattg aggcacccag tgatccactg gccccacgtc acacagttac agtgaagccc 900
aagccaggcc tggttgaggg tgataaacgc cactgtctct aaaaaaaaaa aaaaaaaaaa 960
aaaaaaa 967

<210> 84
<211> 885
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (233)..(233)
<223> n equals a,t,g, or c

<400> 84
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atgctgatgt gcaggggccg tgcagcactg cattcttctt gccttctctg ttctgtttag 120
tacaaccacc ccagcaggtc tccagttcct gccaggttag tgtggatggc ccagcaccat 180
ctcctctcca tcttgttggc tatcctctct tgttcctcac aaccccgcca ggntcgcggc 240
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tctggctccc tgtgtgtctg agcccaacag acacactgag cacaggagtt ggctctcagc 360
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tgtccaactg tccaaccttt acgtaattgg catcccagga ggagaagcaa gagtgaatgg 480
ggcaggaaaa gatcattaaa gaaatcgtgg ctgacataaa aaaggatgag ttcatgtcct 540
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gaaaaccaaa caccatgtgt tctcactcat aggtgggaat tgaacaatga gatcacttgg 660
acacagggtg gggaacatca cacaccgggg cctgtcgtgg ggtgaggggg atggggcagg 720
gatagcatta ggagatatac ctaatgtaaa tgacgagtta atgggtgtca gcacaccaac 780
atggcacatg tatacatatg taacaaacct gcatgttgtg cacatgtacc ccagaactta 840
aagtataata aattaaaatt aaaaaaaaaa aaaaaaaact cgtag 885

<210> 85

<211> 853
<212> DNA
<213> Homo sapiens

<400> 85
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gtatagtaat aactttagca gagctgtaga gagatagatt tgcaaacttg aagtgatatg 180
ggataaatct ccatacgtgg tagaatttta tataaaatgg catatttcaa ggtatgtgtg 240
attatttggt ttcagcaatt ctgtgttgaa gaaactagta tcataaaaaa tgttcgattg 300
ctgacatcag aattccagaa ttcatatgcc acccctgttt ctgggctcct tcctggtgct 360
gtggcttgga ggggtggtgc tgtgtacggg tgggtgaggc acgccatgca ggtattgcag 420
aaggaaccca cgcaaccgtc atcctttcta cccccaagtg atgctgcctc attctggggt 480
cctgaaagta ggcttcactt aacatggtag ggaagtttct ggctgaaaaa gcaaaaggct 540
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aaaatcaaga atgtctgtga cggagaagat ggaaacagag cctggctgat gttgtaggt 720
gaatcttctc tgtgtcgaga tgttatcagt gaccgttttc tttatttcat gaagaaacat 780
ttttaatata ttcacctccc tgcatatatt ctgtttactg tgttattgtt aaaaaaaaaa 840
aaaaagggcg gcc 853

<210> 86
<211> 400
<212> DNA
<213> Homo sapiens

<400> 86
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accatagccc tcaggcagaa gtccatccct caccaacagg gaagagaggc aggatcaaa 180
acacctcctc caggaagtct tccctgaagt tcgtagtctg gcttcagtgc cacttcttcc 240
ctgccctcat attcgctaac cgccacttac tgcctggttt tcagcctcac taggatgtgg 300
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ttccaaatgc ttaaaaaaaa aaaaaaaaaa aagggcggcc 400

<210> 87
<211> 1261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (481)..(481)
<223> n equals a,t,g, or c

<400> 87
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gtcattcctt cccgtctcct tcatagaata ctacttttc cttttgtctc ctggccattc 180
tccatcatct gctgattatt gctaaccaca ggatgctggc aaagcttaca gtgataggca 240
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caaatgcatt attctacccc tcaacctaya tccaatcatt agaactatac ctgactggag 360
cccagaactt gggaccaata cttaattcaa atagcagggg cttgctcaca aacattaagc 420
ccaamaagaa gcacagcact ttkgaaaagt caaataggsc tttggnagct ctgtacattt 480
ngcaatttac attgttatta agtttatagc actaataaca cttcagtcgt gaatctacag 540
tctcaatatg ataagtctta gaacatgttc tagaaatagt ggtaccttgc tgctattata 600
cttagtaact tataccccaa tataataata agtattaaat acagattgtg tatgcattct 660

ttgtgtgtat atgccaactg tactacttaa cctcactgat gagcaattag aaaaatacac 720
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaagggcggc 1260
c 1261

<210> 88
<211> 639
<212> DNA
<213> Homo sapiens

<400> 88
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aggggaccca gttctattcc tgcatcctta gccatcatct acacactttt tatcttttct 180
tttaaatttt taaaaattgt gaaatctata tacatataag ccatatgttc aacttaaaga 240
atagtaaaca actgtgtccc taggatccaa gttaagaaat agatcagagt cagtttctta 300
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tacagatttc atgcttttct ttatagtttt cctttacaca catacccttа agcctctaag 420
tactatatgg ttcggttttg caaagcccag aagcctattt taatgctgta tataagaata 480
tgctagccgg gtatggtgac tcatacctgt aatcccagca ctttcagagg ctgtggcagg 540
agggttgctg aagcctagga attcaagacc agcctgggca atatagggag accccttcac 600
tacaaaataa aaaattaaaa aaaaaaaaaa agggcggcc 639

<210> 89
<211> 3576
<212> DNA
<213> Homo sapiens

<400> 89
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caatacttat ggaacttcaa atctcatgct tttctcattg cacttatgat tactccatta 180
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<210> 90
<211> 1262
<212> DNA
<213> Homo sapiens

<400> 90
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ccaggctgcc acgtttacct tgtaaaatca atacttaatt tttagatttt tatattatct 120
tttctcgtga agcaagactt ctaaattatg gctataatat cttttgaatt gttgttctta 180
atgaatcttc caactgtaaa ctcatctaat ttcaaactta tcatacctga ggatgtaaca 240
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aactcatctt aaaaaatgtt catcagactc tgtctttgat gcacattttg ccaaaagaga 660

gccttatttc tgtgaaagaa atacagtatg tactttggga tttactaaag taaaactgtt 720
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<210> 91
<211> 614
<212> DNA
<213> Homo sapiens

<400> 91
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cctccctata tgccaccaca gccctcttac ccgggagcct gaggaaccag ccatgtctct 120
gctgcccctt cagtgatgcc aaccttggga gatgccctca tcctgtacct gcatctggtc 180
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tggggcccta atgtttgtcc cctctgggct ggggtggggg gagggaggag gttccgtcag 480
gcagctggca gtagccctcc tctctggctg ccccattggc cacatctctg gcctgctaga 540
ttaaagctgt aaagacataa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 600
aaaaaaaaaa aaaa 614

<210> 92
<211> 958
<212> DNA
<213> Homo sapiens

<400> 92
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aatgtacagt tgaagttgag acatgaatct ctgcatgtag gggaaattttgtgtctggtt 120
agtcaagaaa ctatggaaac caattcttga tattttgaac cattcacgaa gatagtttga 180
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<210> 93
<211> 712
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (20)..(20)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (44)..(44)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (56)..(56)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (128)..(128)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (625)..(625)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (692)..(692)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (699)..(699)
<223> n equals a,t,g, or c

<400> 93
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<210> 94
<211> 1106
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1017)..(1017)
<223> n equals a,t,g, or c

<400> 94
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ccgacttgaa actcacagtc gtcccctcag aaaggcaggg caaatgttgt tatttccaat 720
ttgtcagaag ctcagaaagc ttattctgtt gctgacagtc cttgcaaggg tcagaatcag 780
gaccggagcc ccagatgcgc tggtgtcact gatgtcccgt gccgggcatg agcccttctg 840
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cacaataagg cagattttca ttctgtaccc aaaacaggga cacagattta atgcagagca 960
aaagggcttt aatcaacaga tatgttcatt tttcacgtag acctatttta caagctnact 1020
tgtaagccag aaaatgacat tcgagatttt caagtgagaa caaatgattt ggtccaataa 1080
ttaaaaaaaa aaaaaaaaaa ctcgag 1106

<210> 95
<211> 1089
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (353)..(353)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (528)..(528)
<223> n equals a,t,g, or c

<400> 95
cggcacgaga aacgcggtgc ttgctcctcc cgagtggcc ttggcagggt gttggagccc 60
tcggtctgcc ccgtccggtc tctggggcca aggctgggtt tccctcatgt atggcaagag 120
ctctactcgt gcggtgcttc ttctccttgg catacagctc acagctcttt ggcctatagc 180
agctgtggaa atttatacct cccgggtgct ggaggctgtt aatgggacag atgctcggtt 240
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acccatgagt gggcggttta aagaccgggt gtcttgggat gggaatcctg agcggtacga 420
tgcctccatc cttctctgga aactgcagct cgacgacaat gggacataca cctgccaggt 480
gaagaaccca cctgatgttg atggggtgat aggggacatc cggctcancg tcgtgcacac 540
tgtacgcttc tctgagatcc acttcctggc tctggccatt ggctctgcct gtgcactgat 600
gatcataata gtaattgtag tggtcctctt ccagcattac cggaaaaagc gatgggccag 660
aagagctcat aaagtggtgg agataaaatc aaaagaagag gaaaggctca accaagagaa 720
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaa 1080
aaaaaaaaa 1089

<210> 96
<211> 1254
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1036)..(1036)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1069)..(1069)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1100)..(1100)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1165)..(1165)
<223> n equals a,t,g, or c

<400> 96
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tttctcctac cagtaccctg ccccacaccc ctacagcccg cagcctccac cctaccatga 180
gctttcatct tacacctatg gtgggggcag tgccagcagc cagcatagtg agggcagccg 240
gagcagtggg tcgacacgga gtgatggggg ggcagggcgc acggggaggc ccgaggagcg 300
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ccttcggcgg ggtggggaag caagtgggac tagcgatggg ggccctcctc catccagagg 420
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ccctggcatg gccctcccct acaaccccat gatggtggtc atgatgcccc cacctccacc 540
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gccccagaa ctgacagcca gccgccaaag cttccatggc catgggcaat cccagcgagt 660
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ggttaggcat cctagacagn agcctgagga agctgggaga tttgggccat gtagctgcct 1140
ttgttactct atttatttta gtcanttgta taaaacacca aataaagcaa tagaggcaaa 1200
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 1254

<210> 97
<211> 865
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (365)..(365)
<223> n equals a,t,g, or c

<400> 97
gaattcggca cgagtgccct cgtatctaca tgctcaccta taccctcacc cgacttttcc 60
ctcctcctca ccccatcaaa ggcaataatg cacctgtttt tattcatctg ggccttggt 120
cttccccttc atatttcccg agacctcgct ttcttctttc tcttgtattt tttatttttc 180
tatctcttat gtgtccttct ctaaaagtta taaacatgca caaaatcttt ccatctcaaa 240
atataatacc ctttacctgg tgtcccctgc aggccatctt ctttatttat ttacttttgc 300
gccaggtctt cctctgaagc ccaggctggg tgcgtacgcg atcatggctc actgcagcct 360
cggantcccg ggctcaagcg atcctcctgc ttggaggatc agatttttta tccttgcaga 420
agtgataata tggcttcttc ctcatctcct aaacaccagt catctgacat acactgcaga 480
tctaaaatgg gccttacgtg ttctgcccct ccttgcctac ctgttgagcttgcaccgctt 540
ctgtgagtct ccccccaccc acaagagatc cttcttcctt cgcgctccac taacccgaca 600
taaatgttta tcatataaag ttttccgttg cactcttgtg tttatgtctc ctggcttctt 660
caccaagctg tgtgacagct gggccctgtc gcctccttcc tcgtatatgc agcgactatc 720
gcagagccgc ttaatctttg ttgaaggcag ctgcggttca gccctgaggg ccacgggacg 780
gacgccactc attcagycct accgggggcg ctgtggcagc cggcattggt tgccgtgccc 840
tccgcttgtc tcgctcagcc ctcga 865

<210> 98
<211> 1139
<212> DNA
<213> Homo sapiens

<400> 98
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gctggaggac acacctaaac atgtggaatc ccaatgccgg gcagccaggg ccaaatccat 120
atccccccaa tattgggtgc cctggaggtt ccaatcctgc ccacccacca cctattaatc 180
caccctttcc cccaggcccc tgtcctcctc ccccaggagc tccccatggc aatccagctt 240
tccccccagg tgggccccct catcctgtgc cacagccagg gtatccagga tgccaaccgt 300
tgggtcccta ccctcctcca tacccaccgc ctgcccctgg aatccctcct gtgaatccct 360
tggctcctgg catggttgga ccagcagtga tagtagacaa gaagaagcag aagaaaatga 420
agaaagctca taaaaagatg cacaagcacc aaaagcacca caagtaccac aagcatggca 480
agcattcctc ctcttcctcc tcctcttcca gcagtgattc tgactgaata caggccctgg 540
acccttccct caagtctcac cagttctgct ctcccatcaa gcttcagatg ccatgttgta 600
ctgggggaat gtagcccttg tgctccccac cccctaccts cacctgagcc tcaccctgct 660
gttgagccct gagtggctag gggaaatggg aagaggattg ccatggcctg gccatcttgt 720
tgctgcttgg ttagatcata tagctaatga attaggcagg ggagctattt tttgaagatg 780
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aaataaagtt atttctcctg gtcwmaaaaa aacggcacga gcggcacgag ctacgtggg 1139

<210> 99
<211> 1222
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (772)..(772)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (796)..(796)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (823)..(823)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (855)..(855)
<223> n equals a,t,g, or c

<400> 99
gaattcggca cgagcacatg wktatatata tattactgtt ttgcctccat tgaacatgcc 60
ttctacttcc taatttgtgc cagaattgac tagtagacgc tatgaatgca tcatgctctt 120
tggcccattt cgaacactca ggtatgtctg tactcttagt tcatctattc atcattgttt 180
ctacagttcc ctcatgcttt aaaaaatata tggcttttat aatttatcca gctttttctt 240
gtcattttaa taagagtatg tgtcttatac aactactaca ttcatcccag aagtagaagc 300
aaactattat aatcccatta tttttattcc tactattctc ttttcagaat ttcttttaga 360
tattccttgg atagttttat tcaatcctcc atggctttca gcttatctta tgtttatct 420
tttggttcat attctgcatt ctggataatt cttcatcttc actttctagt ttgttgatat 480
tccttttggt gactataagc tgctctttaa aatggtcaat aatgcctaag atgtttatta 540
tcttgccctt tgcagaaaaa aattttcagc ttttgctctg gaatgatttt gcatctcttc 600
caccaaactt ccagtgtatc aatggccaga aaataatcta tatgttaatt tgttaatttg 660
atggttcatg gttcaaggct gtataattta aaagtttgaa gtcaaacaac acatgatggg 720
ataatcctga tgttacagat tctcaaggga aaatatgttt ttgtttttc tnccaattgt 780
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caaatttggc ccgggcgcgg tggctcacgc ttgtaatccc agcactttgg gaggccgagg 960
cgggtggatc acgaggtcag gagatcgaga ccatcctggc taacacggtg aaaccccgtc 1020
tctactaaaa atacaaaaaa aaattagctg ggcgtgatgg cgggcgcctg tagtcccagc 1080
tactcgggag gctgcggcag gagaatggcg tgaacccggg aggcggagct tgcagtgagc 1140
caagattgcg ccactgcact cccgcctggg ccacagagcg agactccgtc tcaaaaaaaa 1200
aaaaaaaaaa aaaaaaactc ga 1222

<210> 100
<211> 367
<212> DNA
<213> Homo sapiens

<400> 100
cggcacgagt gtaaatgtca ccaccaaagg tttgcaccct gatcaaaaag agtatgaaaa 60
gaataatacc acaacactta tggcctgtct tggaggcctt ctggggatta ttggtgtgat 120
atgtcttatc agctgcctct ctccagaaat gaactgtgat ggtggacaca gctatgtgag 180
gaattactta cagaaaccaa cctttgcatt aggtgagctt tatcctcctc tgataaatct 240
ctgggaagca ggaaaagaaa aaagtacatc actgaaagta aaagcaactg ttataggttt 300
accaacaaat atgtcctaaa aaccaccaag gaaacctact ccaaaatga aaaaaaaaaa 360
aaaaaaa 367

<210> 101
<211> 875
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (66)..(66)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (872)..(872)
<223> n equals a,t,g, or c

<400> 101
ggcacagcgc gaggctgggt cccggcccag gagaaggaag tcgctgaagg cagtggccat 60
gctggncgtg gaaatgggag gcggttgcag rgggtctatg gggcccggtc ctggatactc 120
ggcaggaagc cgtgtctgca gaggctcctc cctgcctcaggtggccccgt tcaaccccag 180
ccgtgcccat ctcctgccac cgcctgtcgg tgggggttta aattcggtgt ggctttctgg 240
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gcggcttctg gaaccttccg tgggacccgt aagtggctgt ccagaaaggc gggagggtgg 480
gcacggggca cgggggggcag ctggggtcgt cgttaagggt cacgcatccg tacagttgaa 540
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ttctctggag tttgtcagac ggcgtgggaa ccacgcctga aactcaggta ataggaggaa 720
aaaaaaaaaa cttaaaaaaa tttttaaaaa acataaaact actctctacc tctgctggsc 780
cagcctgtct cgccctggcc gcggcagggt ggcctgtaac aatttcagtt ttcgcagaac 840
attcaggtat taaaaggaaa aaaaaaaaaa anggg 875

<210> 102
<211> 1283
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1)
<223> n equals a,t,g, or c

<400> 102
ngggcgttcc atcgaggcct ttgatcgcag catcgacctg ctggtgtcgc gcctgcgcca 60
gaagctgggg gatgacccca aggctccgca attgatcaag acggtacgcg gcgaaggcta 120
cctgttcgac gcccgggata tcggttgatg cgcgcgccct tcaacacgct gttcgggcga 180
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caccactacg gcccgccgcc accaccccgc gcggccttcg tcgaacaacc agatggcagc 300
ctcacgccct tgcgcaaagc gcctcgcccc tggttcggcg gcccggtggt gcccctgaca 360
tttcaattta tctcgctgat catcgctgcc tggtacggcg ccaaactgct gagccggcca 420
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gtggaaaccg gccctcgcga agcacgccaa gcggcctcga ccttcaacct gatgcaaaag 540
cgcatccgcg aacaagtcag ccagcgcgca cgcatgctcg gcgcggtctc ccacgacctg 600
cgcaccccgc tctcgcgcct caagttgcgc ctggaacaaa tcgaagaccc caagctgcaa 660
ggccagatgc gccaggacct ggacgacatg atcggcatgc tcgatgccac cttgagctac 720
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gccgcgatcc aaatgtggga gctggcttgc ctgcgattgc gcagtgtcag tcgatgaagt 1260
gttggctggc ccaccgctat cgc 1283

<210> 103
<211> 2777
<212> DNA
<213> Homo sapiens

<400> 103
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tggcagcaag tttccatcac ctttgcctgc cagtgtgtga gaggcgcaga ggggcagtga 120
gcaggtgaca tgcagcttcc agatacccac acactgcttt tctcccgccc agctcccacc 180
ccagttaatt gagatgggat tgtttctctt tctggtttct tcctaagccc ctctctcata 240
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tcaaattgca gatataaagc atcaggaccc cacacctggg atggaagctt ctaggaatta 480
atgaagcccc agtagaggtg agggtaaacc taaaacgggc tggatagggc ctctcccaag 540
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tgaggcagga gaatggcgtg aacccgggag gcggaacttg cagtgagccg agattgcgcc 2700
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aaaaaaaaaa aaaaaaa 2777

<210> 104
<211> 710
<212> DNA
<213> Homo sapiens

<400> 104
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tgtttattta ccatcagcat catagaagag caaaaagaag aaatactgtg ctccactaaa 120
agccaggctg agaaaacagt tactcacatt gagcagtgag tgaccactag gtgggcattt 180
gttcatagct gcatggagaa caagtgccca tatacatctt tctgctgatg cagcctctaa 240
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atagcgtaac tatttacgcc tgtgacagag aggaaaactg tatggatatc agatatcttt 360
aagagctttt taatctttaa tcaagttagt acttcttaag gatgattaag gccaggcagt 420
ggctcacacc tgtaatccca gcattttggg aggccaagat gggtggatcc cttaaggtca 480
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gaatcgcttg aagccaggag ttggagattg cagtgagcca agatcatgcc acttcactcc 660
agcctggaca gcagagtggg acttcttctt aaaaaaaaaa aaaaaaaaa 710

<210> 105
<211> 1540
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (651)..(651)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1124)..(1124)
<223> n equals a,t,g, or c

<400> 105
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<210> 106
<211> 1428
<212> DNA
<213> Homo sapiens

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<211> 3061
<212> DNA
<213> Homo sapiens

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<222> (2919)..(2919)
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<211> 1691
<212> DNA
<213> Homo sapiens

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aaaaaaaaaa a 1691

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<211> 1421
<212> DNA
<213> Homo sapiens

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<210> 110
<211> 1489
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (345)..(345)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (549)..(549)
<223> n equals a,t,g, or c

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<221> misc_feature
<222> (1408)..(1408)
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<211> 4463
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc_feature
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<211> 1477
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

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<210> 113
<211> 1984
<212> DNA
<213> Homo sapiens

<400> 113
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aaaa 1984

<210> 114
<211> 1513
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1463)..(1463)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1490)..(1490)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1503)..(1503)
<223> n equals a,t,g, or c

<400> 114

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cangattgct gtc 1513

<210> 115
<211> 2312
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2312)..(2312)
<223> n equals a,t,g, or c

<400> 115
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<210> 116
<211> 6107
<212> DNA
<213> Homo sapiens

<220>
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<222> (5749)..(5749)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (5892)..(5892)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (5896)..(5896)
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<220>
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<222> (5966)..(5966)
<223> n equals a,t,g, or c

<400> 116

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<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<211> 1396
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc_feature
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<220>
<221> misc_feature
<222> (751)..(751)
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<223> n equals a,t,g, or c

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<210> 134
<211> 1564
<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

<400> 148
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gtggggctgg ggctagggct ggggggaggg ggaaggcctg gggcaggagc ctctgagctc 180
tttccttctg tgaccacgga cctgtcaagt ttccaaacag aaaggtgtgc ctcacttgtg 240
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gaggaggcca ggtcctggtg gagcctttgc ccagcccagt cctctctgcc tcctcctggc 1140
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caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1242

<210> 149
<211> 712
<212> DNA
<213> Homo sapiens

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<222> (26)..(26)
<223> n equals a,t,g, or c

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<222> (28)..(28)
<223> n equals a,t,g, or c

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<222> (77)..(77)
<223> n equals a,t,g, or c

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<222> (117)..(117)
<223> n equals a,t,g, or c

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<221> misc_feature
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<223> n equals a,t,g, or c

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<222> (696)..(696)
<223> n equals a,t,g, or c

<400> 149
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accnacgcgt ccgaggaggt cytttaggaa gactctcaaa ggcaaatccc tgatcccccg 180
ccccaccctt agccctgccc tctcaccaga gcaaaattca ctggggactt ttcccaccac 240
acatggaaat ctgtccactc ggaatacctc tgttttccat ttcaaattgt agggggaggg 300
gatggaacac ttccagtgat ggtaagagat ctgttatgaa acgaaacacc ccccgtgtta 360
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gagaatcact gtgggcgtcc attcttattc aactaaatct ccacaggttt ttgagctgg 540
tgtggattag tttaactctt gtattcaacc attagtgcta ccaccttctc acattacaat 600
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<210> 150
<211> 1200
<212> DNA
<213> Homo sapiens

<400> 150
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tgtgaccagc ctgctgtctg tggtgtgccc tcctggcccg gccttggcacatgttcgttt 180
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cagccgattg acttctctga ggacgcacgc ccctcaccct gctatcagct ggcccagcgg 660
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ccccctcttt ggccccctcc cgtcaggccc agggcttgga gtgaaagtga ctctcaggtg 1080
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<210> 151
<211> 1352
<212> DNA
<213> Homo sapiens

<400> 151
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ttccttctgg gtggagatca tcttctgtag gaaatggaac tgcttcaagc caagaagctt 180
ttacttttac taggtctttt tgtgtcctgc tgttcaaata ttaggaagac tgaaccctgt 240
ttcggtcttg acagtattac gtttcgtgat cccaaaaaaa agtgtttgtg taacctcaag 300
tcatgctgaa agtgaaatac agcttaaagt gggattctgc tggacctgac tcaacttttc 360
acctcaccgc ttggctccgt gcaggcagta tttgagtatg tggttccccc tcaagtctgt 420
aggagttgta ttgtcaataa agtccaaggc cagagtgctt gctttctagt aagtagagag 480
aatttttgaa attcaacgac aaacatttat taagccctta ttgtgtacag ggctcaaagc 540

taagtgcttt gggtgattca gggtgattag ggataggatt ccatcttcaa gaagcctccc 600
atctaggaag aaaggtcgat aagcatagtt ttggacacat gggagagcat ggctttctct 660
gggcccagta attactttgg tatccagatc attagagaac ggaatgcctt ctattgaact 720
atgtaacagt cacaggttta gatcttctca agttattatt gcctttaatc ttcatatgat 780
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ctgggtggca ggggttgcag tgagctgaga tcgtgccact gcactccagc ctgggtgaca 1320
gaatgagact ccgtcttaaa aaaaaaaaaa aa 1352

<210> 152
<211> 639
<212> DNA
<213> Homo sapiens

<400> 152
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atcacaaacc tttccttgca tgtggagggg atggatttac tcagtccaac tttgatggct 120
gcatcacttc tgccctatgt gttctggaag ctttaaagaa ttatatttag tgcctatact 180
cttattctct acatgtgtat tgggtttttа ttttcacaat tttctgttat tgattatttt 240
gttttctatt ttgctaagaa aaattactgg aaaattgttc ttcacttatt atcatttttc 300
atgtggagta taaaatcaat tttgtaattt tgatagttac aacccatgct agaatggaaa 360
ttcctcacac cttgcacctt ccctactttt ctgaattgct atgactactc cttgttggag 420
gaaaagtggt acttaaaaaa taacaaacga ctctctcaaa aaaattacat taaatcacaa 480
taacagtttg tatgccaaaa acttgattat ccttatgaaa atttcaattc tgaataaaga 540
ataatcacat tatcaaagcc ccaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 600
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaa 639

<210> 153
<211> 1434
<212> DNA
<213> Homo sapiens

<400> 153
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tttggagctg acagttattt tgtgtaagca gagatttaat tttatattga aagtcagtgc 120
aaaattatga ataggatata ctaataaata caaagtaata acaaaagtca aagcagtgtt 180
ctaaataaaa attctgggtt ccttaaaaat tattttaaat ttatcttgaa atagttttct 240
tagattaatc tcaggatatg agaaagtcaa ttaagtgtga gtaaagttag ttacattaaa 300
caaattgtct attaaatgca mgagtggtaa tatacagaat ttatcaggca ttaccaagtc 360
taggcacata taggaaatgc agcactcaga atggtttcaa tgtagtagtt gatgcttgta 420
aggtagggga gcttattcag acatagtaga tagtttctct aatgctgtst caattgctgg 480
cctttggcta cctgtacttc cscattatgg cagcccattc agtcttgagt tttcttctct 540
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gcagtatgtt ttgctgacat taagatgtag gttatagata ggtttagcct ttaagtgtat 660
gtttttatac tttaaaataa gaaatataac cttttaagct attccactc ctcccccagc 720
ctatctcaaa ctggtggaat atatggagag atcttgaaag aagtaaaata aaccttcact 780
gctccactcc aggtgaatcc gcccactccc actgacctag tagaatttgt aatttaatac 840
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ctcmgtgaat tcatttttta aaatctgcta ttctgagaag cattgaatga attcttaaca 960
agaagactca tctgtagctg tttgctgact cctatgagcc ccataagggt tctgtgctta 1020
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gctttaaaat ttgtgctctt tttcatattt tattcatatt aatttatgg tttgtaactg 1140
ctttttaggg agataattat atgttataaa ttagttttgg ggggaataat tgtgcaaaga 1200
ggataattta atttacgtgc ttctgttatt cagaataaag agagaagact acgctgcata 1260
ttcaagagtt gtaccttaac attggtgaaa catttttct aagattttca aaaggaatat 1320
gtgtaaattg agaaatcata accactgtcc taacttggta aacaaactgt tcttaaataa 1380
agtatttaat gattttaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 1434

<210> 154
<211> 370
<212> DNA
<213> Homo sapiens

<400> 154
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acagcctagt gttaacattc ttggtatctt tttgtgcctt atctaaaaca tttctcgatc 120
actggtttca gatgttcatt tattatattc ttttcaaaga ttcagagatt ggcttttgtc 180
atccactatt gtatgttttg tttcattgac ctctagtgat accttgatct ttcccacttt 240
ctgttttcgg attggagaag atgtaccttt tttgtcaact cttactttta tcagatgatc 300
aactcacgta tttggatctt tatttgtttt ctcaaataaa tatttaaggt taaaaaaaaa 360
aaaaaaaaaa 370

<210> 155
<211> 2067
<212> DNA
<213> Homo sapiens

<400> 155
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aagagtgact ttctccttct ccctccctct cccctggata tggaactcaa ccattatgca 120
ctgcttcttt ttgtggttgc tgctttttgg acttcttgga attagtggtt tccttggtta 180
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gcctctggaa gacggacgtc ttgaaaaggg gggcgattcc agatcattgc tgtcaatggg 720
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agcgtgaaac tcctacatta gaatatataa agtcacttta aatatctata tttgtaacag 1980
aagtagtgta cagatatttt attacagcat ttttgtgtaa atgcagaatt aaagtgaata 2040
aataagaatt ttcagtggtg cacaaat 2067

<210> 156
<211> 867
<212> DNA
<213> Homo sapiens

<400> 156
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agaaaaaaga aaaaaaaaaa aaaaaaa 867

<210> 157
<211> 1422
<212> DNA
<213> Homo sapiens

<400> 157
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tactttggct taaattttgc ccccagaatc ttgttgtttg cctactgaag agatgaaacc 180
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaactcg ag 1422

<210> 158
<211> 1288
<212> DNA
<213> Homo sapiens

<400> 158
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cctgactcca ggcctttgcc tgtgctatgg cctctgttgg gaccactctt gtctctcccc 180
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<210> 159
<211> 1152
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (668)..(668)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (745)..(745)
<223> n equals a,t,g, or c

<220>
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<222> (1015)..(1015)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1088)..(1088)
<223> n equals a,t,g, or c

<220>

<221> misc_feature
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<400> 159
ctcaaggatg taaaggctct gcagatttcg ggaggcctgt ctcccagcac cnatgggac 60
actttttgcc ccactgtaaa ttctgggtgt atcctccact gtatgctgtc accccaaggg 120
caagcactgc atctgcttag tgaaggattt attgttcgga agatacattt tccccttkag 180
cagagagtgg cgtatcctgg cagtcttcgg tgagccagtt gtaccaggat tatgaaatgc 240
agatgtttac tgtgtcattg ttgctgtcat tgctactgag gagtactgac cagaatcatc 300
tgcaactytt agttggcaga gaggaccact atggcgggta gctcttttct ttcctgccat 360
tgtggggatg attccaggcc aaagatgatg garaagtatg gaaatcatct gaaaggttga 420
agcttggcac gtgaagccat tcatgacttt gtaaggcagt tttgctgag gccagttctg 480
ccctgggagg gacggaggtg aatcctcctg agtacctgtg gttttcttac ttcctgctga 540
atttacctaa gtgcctgttg tttgcttgct gtggaggctt tctggtattt catttcaggt 600
gcagatgcct tcactttccc accraaaaaa ccccmaccaa acctaagacc ttactgcaac 660
taagtytncc aagtactttt taacccaatg ggatgaacag cctgtggtct gctcagatca 720
ccctgagtgc gtgtgagaag gcmtnggctt tgccaggaaa tccaggaagg cagggccggg 780
ctgtgttgga agctggctta gctggtgggg cagccttatt tcaattaaaa gggcattgac 840
tgggagcagc agtcctggag tttgttgcat ttcctattgc ctcaaaatg agaaaccagg 900
aaaatagcag attggagcct tcgagaaggc agtaaatggc tgtttttatt gacaaaagga 960
aaacatttta ctgccatctc actgatggca tctcactgac ttaaaatgaa ggcangttgt 1020
agtaaaaaaa aaagtctaca tttttccacc gccacgttct tatatcctgt ttgtcagcca 1080
ctgctcanaa gggcatgttg tcttgcggan tanaggcgct ctccttccct cgttttccct 1140
ataggttggg tg 1152

<210> 160
<211> 2199
<212> DNA
<213> Homo sapiens

<400> 160
ggcacgagct tttccatctt gagcttggca gcctgtctagttgtggaagc tgtggtgtgg 60
aaatcggtga ccaagaatcg gacttcttat atgcgccaca cctgcatagt gaatatcgct 120
gcctcccttc tggtcgccaa cacctggttc attgtggtcg ctgccatcca ggacaatcgc 180
tacatactct gcaagacagc ctgtgtggct gccaccttct tcatccactt cttctacctc 240
agcgtcttct tctggatgct gacactgggg cctcatgctg ttctatcgcc tggttttcat 300
tctgcatgaa acaagcaggt ccactcagaa agccattgcc ttctgtcttg gctatggctg 360
cccacttgcc atctcggtca tcacgctggg agccacccag ccccgggaag tctatacgag 420
gaagaatgtc tgttggctca actgggagga caccaggcc ctgctggctt tcgccatccc 480
agcactgatc attgtggtgg tgaacataac catcactatt gtggtcatca ccaagatcct 540
gaggccttcc attggagaca agccatgcaa gcaggagaag agcagcctgt ttcagatcag 600
caagagcatt ggggtcctca caccactctt gggcctcact tggggttttg gtctcaccac 660
tgtgttccca gggaccaacc ttgtgttcca tatcatattt gccatcctca atgtcttcca 720
gggattattc attttactct ttggatgcct ctgggatctg aaggtacagg aagctttgct 780
gaataagttt tcattgtcga gatggtcttc acagcactca aagtcaacat ccctgggttc 840
atccacacct gtgttttcta tgagttctcc aatatcaagg agatttaaca atttgtttgg 900
taaaacagga acgtataatg tttccacccc agaagcaacc agctcatccc tggaaaactc 960
atccagtgct tcttcgttgc tcaactaaga acaggataat ccaacctacg tgacctcccg 1020
gggacagtgg ctgtgctttt aaaaagagat gcttgcaaag caatggggaa cgtgttctcg 1080
gggcaggttt ccgggagcag atgccaaaaa gacttttca tagagaagag gctttctttt 1140
gtaaagacag aataaaaata attgttatgt ttctgtttgt tccctccccc tccccttgt 1200

gtgataccac atgtgtatag tatttaagtg aaactcaagc cctcaaggcc caacttctct 1260
gtctatattg taatatagaa tttcgaagag acattttcac tttttacaca ttgggcacaa 1320
agataagctt tgattaaagt agtaagtaaa aggctaccta ggaaatactt cagtgaattc 1380
taagaaggaa ggaaggaaga aaggaaggaa agaagggagg gaaacaggga gaaagggaaa 1440
aagaagaaaa agagaaagat gaaaatagga acaaataaag acaaacaaca ttaaggcca 1500
tattgtaaga tttccatgtt aatgatctaa tataatcact cagtgcaaca ttgagaattt 1560
ttttttaatg gctcaaaaat ggaaactgaa agcaagtcat ggggaatgaa tactttgggc 1620
agtatcttcc tcatgtcttc ttagctaaga ggaggaaaaa aaggctgaaa aaatagggag 1680
gaaattcctt catcagaacg acttcaagtg gataacaata tttataagaa atgaatggaa 1740
ggaaatatga tcctcctgag actaactttg tatgttaagg tttgaactaa gtgaatgtat 1800
ctgcagagga agtattacaa agatatgtca ttagatccca agtgctgatt aaatttttat 1860
agtttatcag aaaagcctta tattttagtt tgttccacat tttgaaagcaaaaaatatat 1920
atttgatata cccttcaatt gccaaatttg atatgttgca ctgaagacag accctgtcat 1980
atatttaatg gcttcaagca ggtacttctc tgtgcattat agaatagatt ttaataatct 2040
tatagcattg tatattatta ttgctgttgt cactgttatt attattgtgg atactggccc 2100
ttggtgtgtt gcatagctcc ctatgtattc tctgtttcca tctttaagtt cccagaccaa 2160
tatacattaa gagttttgaa aaaaaaaaaa aaaaaaaaa 2199

<210> 161
<211> 1761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1207)..(1207)
<223> n equals a,t,g, or c

<400> 161
gctcgtgcat tcatacagga gatgttatga ttttscctgt actttcttgc ttcacaagat 60
ttatggctgg tttgatcttt gtactccaca gttgttttag attcatcact tttgtttgtc 120
ccacatcctc tgatcccctg aggacctgcg cagtcctgct atgtgttggt tatcaggacc 180
ttccaaatcc agttttccga tatttgcaga gtgtgaatga attgttgagc actttgctca 240
actctgactc accccagcag gttttacagt ttgtgccaat ggaggtactc cttaaggggg 300
ccctgcttga ttttttgtgg gatttgaatg ctgccattgc taaaaggcat ttgcatttca 360
ttattcaaag agagagagaa gaaattatca acagccttca gttacaaaac tgaacatatg 420
ctttctgaga ttcaacttta tgatttctta taatttgccc agtatttgca tcctgttgct 480
ctattaattt aaaaaccttt tattttgggg aaaggccaac atttgcatca ttcaaagtct 540
cattaattct ggaaaaccat ccattctgat ctctagggta tatacaccca caggcataga 600
gctcttccac gtggtggaat ctatgcaatg atagatattc acactctaaa tatgaggtgt 660
gtgtatgtgt atgggtggcc acagccatgc ttacctatgc catttagttg gtcttactta 720
atctgcttaa gatttgcatc tgtgtacctt tgttcagatt agttttttt ttccagccga 780
tttcctctta gtggctaatg ctgttagtga atttccaac taatttcctc tcattggtta 840
atgttgttaa tgaattgaga gaggtaattg aggaaaggaa atgagtaaat cactgttcag 900
caacactgat ttccgttaac acatcagtta tgaatttcag ggaattcatc tcgccagatt 960
cttgataaca tgccattcat tgcccttagg tgattgaccc tattttctta catggctcaa 1020
ataaaactag tatgctgttg tatgaatctt ttactgacca caccatccaa ctataaaaat 1080
ataacgggac agctttaaac caaagatcat gcttagaaca atgaaaaatt atttgttgta 1140
tctaatacac gcctgtattg tgaaaagctt catttagcaa tgatgtaata atttttaact 1200
tccaggnaaa taatctgtga atggaaagat tttttaagat tttgagatag tgtttagtct 1260
catgttggga acacatgaat gtgatgaaca tagtgaatac taaagaaaac gcttcagact 1320
ttcagatgat ggttcagaat ttaaaatttt taatcttttc taatttcttt ttttcagtgt 1380
gaaaatagca ctttaccaaa agattagcca tgaaatggtt attttgccag ttacatttag 1440
tttcttttgt atctgcaatg taatgagtta ttttatttct tctgtatttg cagtgtaatg 1500
agtttttgtg gcaaagtgta ttaagcaatt tttcattatc ttgaagttcc acaaagtgga 1560
gaatatttat attctcacat gcattttagg cacttttgat atgtgaaaat agatgtattt 1620
tctgatgcat ttggttaata aatattaatc tgaacatttt catgttcttt gctattttga 1680

attccattat agattcatga ataaagtcat tactagagaa aaaaaaaaaa aaaaaaaaaa 1740
aaaaaaaaaa aaaactcgta g 1761

<210> 162
<211> 1999
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (532)..(532)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1490)..(1490)
<223> n equals a,t,g, or c

<400> 162
gcacctgtga aaaggaggaa cgtcatcccc catgatattg gggacccaga tgatgaacca 60
tggctccgcg tcaatgcata tttaatccat gatactgctg attggaagga cctgaacctg 120
aagtttgtgc tgcaggttta tcgggactat tacctcacgg gtgatcaaaa cttcctgaag 180
gacatgtggc ctgtgtgtct agtaagggat gcacatgcag tggccagtgt gccaggggta 240
tggttggtgt ctgggaagag cctagctggt tgttgccttt cctcgtacc taggtcttca 300
acatcttggt ccctctctag gctgtgatgg aatctgaaat gaagtttgac aaggaccatg 360
atggactcat tgaaaatgga ggctatgcag accagaccta tgatggatgg gtgaccacag 420
gccccaggtt agcgggtagg ggtttccagg aggcctgagg tgagaaactg ggcaacaagg 480
gattgtaggg ctcaagaaag aatgactcat tgtctattac acggcatggg ancagctgga 540
gctgccagtc tgacccccaa acccatgtcc ctgatcagtg cttactgtgg agggctgtgg 600
ctggcagctg tggctgtgat ggtccagatg gctgctctgt gtggggcaca ggacatccag 660
gataagtttt cttctatcct cagccggggc caagaagcct atgagagact gctgtggaat 720
ggtgagttcg gggagcctaa gtagtcttaa ggcagctgag aggacaccag gagccttatt 780
tttctcttcc tcgactccag gccgctatta caactatgac agcagctctc ggcctcagtc 840
tcgtagtgtt atgtctgacc agtgtgctgg acagtggttc ctgaaggcct gtggtaggcg 900
agaaggagac actgaggtgt ttcctaccca acatgtggtc cgtgctctcc aaactatctt 960
tgagctgaac gtccaggcct ttgcaggagg ggccatgggg gctgtgaatg ggatgcagcc 1020
ccatggtgtc cctgataaat ccagtgtgca gtctgatgaa gtctgggtgg gtgtggtcta 1080
cgggctggca gctaccatga tccaagaggt aatgcactcc ttttcccatc tctccaccat 1140
ctgtatcctg gcccagaaaa cttcctcaac caccaaattt cttcaaggca taacccaatg 1200
ccatcttgtc cgtctataaa gcctcccatt tttccctggt atgcattcca gctcctgcct 1260
tcaggcttct gtctgtgggt catagttatc tcctccactt gctgggagct ccttgaaggc 1320
aaagactcta ctgcctccat ctatccagtg gaagtggctc ttcagagggt gccaagttag 1380
tatgtatgac tgtcatctct cccaacaggg cctgacttgg gagggcttcc agacagctga 1440
aggctgctac cgtaccgtgt gggagcgcct gggtctggcc ttccagaccn cagaggcata 1500
ctgccagcag cgagtgttcc gctcactggc ctacatgcgg ccactgagca tatgggccat 1560
gcagctagcc ctgcaacagc agcagcacaa aaaggcctcc tggycaaaag tcaaacaggg 1620
cacaggacta aggacagggc ctatgtttgg accaaaggaa gccatggcaa acctgagccc 1680
agagtgagcc gtctgaactg tggragggaa gtgctaacag cccagcctcc agcctggcct 1740
ttcctccttc cctctgaacc tcctgcaacc ctgagccatc aggacaatca tacccccttcc 1800
cttctctcca cccaattgtg ccagtaaatg ggggttgagg gtgacctagg cagcattaga 1860
atcacttatt tatttctttc ctcacctgtt ccctgactgc gtgaaatgtt cagggaggtc 1920
agttgatttc cccaggtaca ttcatggtgt gacagacaca tgggtacaaa taaaagaccc 1980
agaaagccaa aaaaaaaaa 1999

<210> 163
<211> 1636
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (424)..(424)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (823)..(823)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (960)..(960)
<223> n equals a,t,g, or c

<400> 163
gaattcggca cgagttgaaa ttgaaaatca agataaaaat gttcacaatt aagctccttc 60
tttttattgt tcctctagtt atttcctcca gaattgatca agacaattca tcatttgatt 120
ctctatctcc agagccaaaa tcaagatttg ctatgttaga cgatgtaaaa attttagcca 180
atggcctcct tcagttggga catggtctta aagactttgt ccataagacg aagggccaaa 240
ttaatgacat atttcaaaaa ctcaacatat ttgatcagtc ttttatgat ctatcgctgc 300
aaaccagtga aatcaaagar gaagaaaagg aactgagaag aactacmtat aaactacaag 360
tcaaaaatga agaggtaaag aatatgtcac ttgaactcaa ctcaaaactt gaaagcctcc 420
tagnagaaaa aattctactt caacaaaaag tgaaatattt agaagagcaa ctaactaact 480
taattcaaaa tcaacctgaa actccagaac acccagaagt aacttcactt aaaacttttg 540
tagaaaaaca agataatagc atcaaagacy ttctccagac cgtggaagac caatatwaac 600
aattaaacca acagcatagt caaataaaag aratagaaaa tcagctcaga aggactagta 660
ttcaagaacc cacagaaatt tctctatctt ccaagccaagagcaccaaga actactccct 720
ttcttcagtt gaatgaaata agaaatgtaa aacatgatgg cattcctgct gaatgtacca 780
ccatttataa cagaggtgaa catacaagtg gcatgtatgc atncagaccc agcaactctc 840
aagtttttca tgtctactgt gatgttatat caggtagtcc atggacatta attcaacatc 900
gaatagatgg atcacaaaac ttcaatgaaa cgtgggagaa ctacaaatat ggttttgggn 960
aggcttgatg gagaattttg gttgggccta gagaagatat actccatagt gaagcaatct 1020
aattatgttt tacgaattga gttggaagac tggaaagaca acaaacatta tattgaatat 1080
tctttttact tgggaaatca cgaaaccaac tatacgctac atctagttgc gattactggc 1140
aatgtcccca atgcaatccc ggaaaacaaa gatttggtgt tttctacttg ggatcacaaa 1200
gcaaaaggac acttcaactg tccagagggt tattcaggag gctggtggtg gcatgatgag 1260
tgtggagaaa acaacctaaa tggtaaatat aacaaaccaa gagcaaaatc taagccagag 1320
aggagaagag gattatcttg gaagtctcaa aatggaaggt tatactctat aaaatcaacc 1380
aaaatgttga tccatccaac agattcagaa agctttgaat gaactgaggc aaatttaaaa 1440
ggcaataatt taaacattaa cctcattcca agttaatgtg gtctaataat ctggtattaa 1500
atccttaaga gaaagcttga gaaatagatt ttttttatct taaagtcact gtctatttaa 1560
gattaaacat acaatcacat aaccttaaaa aaaaaaaaaa aaaaactcga ggggggcccg 1620
gtacccaatt cgccgg 1636

<210> 164
<211> 1392
<212> DNA
<213> Homo sapiens

<400> 164
attcggcaga gcagaaaacc agactgcact tgctttataa aacagagctt tatttttcct 60
tcataataag cagagttgca gtgttgctgg tattgattca ctggcgtggt ggtatcagga 120
cagatgtctc tatgattaat ttttggcctg tcactcatgt ttgcatatgg ctgttgtggc 180
tccaagcatt ggaagcaaga ggacagggaa gcaacattga ctgtaccagg aactccaaaa 240

cagtcttcac atcttaatgg ttggacaatg ccaaatggtc actcttttct ggaagttgac 300
tggggacaag atagtggtaa ggattagatt tggccagaaa gtttctgcca cagtgagctt 360
tcctgtctaa atccttattt taactgttgt cacttaatat tcacactttg gaaggacact 420
tactgttggt tacaattatg aaaccaactt gaatactttt tagttgaaca tttcagtagt 480
cttaattatg tttaaatagg tttcacaatt tactgttttt agtttagttt ccggctcccc 540
ccaaccccca acttttgyta gagagttact ctcttaactt ttgctagaaa gtagcaaagt 600
tctctactct acatgttcag ggctggctgt agaatttcgt tttttaagga aacaggaaga 660
cagaactaat tatgcaagtc ttcatttagc tttttaaaaa aacagcttta ttgagttaga 720
attgacatgc agtaaatggt acatatttaa agcgtacaat ttgttaagtt ttgacataag 780
tatacattgt gaaaacatca gtcaccacaa tcaggatact tattttaaaa aaacacttta 840
tttaggatta gtatactgat aatgtgtcca ttgtaagtgt acattttcag ttttgacaaa 900
tgtatagatt tttgtaacta ccaccaccag tcaagatgaa aacgtttcta gcactccaga 960
aagttccctt gtgtcccttc ttggtcagtt attcccacca tgctctcagg caaccacagt 1020
tctgcttcta tcactatata agtgacagaa tttttctaca gaatttcaca tagatggaat 1080
catacaatat gtactgttct gtctggcttc ttgaggtaag ccaaatgtct tttaagagtc 1140
atgcatgttt ttgcatttat tagtagttta ttctttttt gttggtgagt agcattcatt 1200
gtatggatat attccagtct gttttattca ttcacttttt ggacattgg gttgttatca 1260
attttgggct cttttgaatt aatccctccc tccttccctc cttcccyccc tccctccttc 1320
cctccctccc tccctctctc cctccctcct tccttccctc cctccctccc tccctttttt 1380
ttttcggcac ga 1392

<210> 165
<211> 717
<212> DNA
<213> Homo sapiens

<400> 165
ggcacgagct agctgccgcc acccgaacag cctgtcctgg tgccccggct ccctgccccg 60
cgcccagtca tgaccctgcg cccctcactc ctcccgctcc atctgctgct gctgctgctg 120
ctcagtgcgg cggtgtgccg ggctgaggct gggctcgaaa ccgaaagtcc cgtccggacc 180
ctccaagtgg agaccctggt ggagccccca gaaccatgtg ccgagcccgc tgcttttgga 240
gacacgcttc acatacacta cacgggaagc ttggtagatg gacgtattat tgacacctcc 300
ctgaccagag accctctggt tatagaactt ggccaaaagc aggtgattcc aggtctggag 360
cagagtcttc tcgacatgtg tgtgggagag aagcgaaggg caatcattcc ttctcacttg 420
gcctatggaa aacggggatt tccaccatct gtcccagcgg atgcagtggt gcagtatgac 480
gtggagctga ttgcactaat ccgagccaac tactggctaa agctggtgaa gggcattttg 540
cctctggtag ggatggccat ggtgccagcc ctcctgggcc tattgggta tcacctatac 600
agaaaggcca atagacccaa agtctccaaa aagaagctca aggaagagaa acgaaacaag 660
agcaaaaaga aataataaat aataaatttt aaaaaactta aaaaaaaaaa aaaaaaa 717

<210> 166
<211> 832
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (827)..(829)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (831)..(831)
<223> n equals a,t,g, or c

<400> 166
gaattcggca cgagtatgaa actaacaaca tagaatgccc cccaaacaaa ttcctctaac 60

ctcactgagt ttacttgccc tattactatt ttttttttt aagatcttct gtctcttgtt 120
tttgttttat cccttacctg atgaaagtga acatttctag tggagaaaga agatcacagt 180
tctctaatat gggcattaag agaggggtac agctagaggg gaggtgaaaa cctgcctcca 240
ctggggtgaa aaacagtgtg ctgaggtttc agccagtgat tacactgggt aatcaaccag 300
tcccatgttt cacaaaggag ttgtaatgat taacagttca ggtatgctty tgaggaaatc 360
taattgagac ctttggaaaa tagcattgtt atgaatggtg tggtgttacg ccctggaggg 420
gaaaaggcta ggaaaaacat tttaactttt caagtgtatt taaattaaca tccaaatgtt 480
tcagtgtgct ttactggaga ctgcctgagt ttggaattca aatattgtaa ccaaattact 540
ccaggtttct gaactaaaat gatctattga tgtttctcaa agtatagatc acagagtaag 600
aaaagaggaa atcaagtctg gtttatgaca aacttttttc catgttaaca ttggacccaa 660
agatgttamt aagagctttt tactactgtg agagraccag cgtgatgtga agacaacgaa 720
cattttaaga agtttgacta gtagacattt cgtttaagtc ttttggaggg tcttggttga 780
caacccacaa ttttattgtg gctccccagg ctgggagaac gtggaannnc na 832

<210> 167
<211> 734
<212> DNA
<213> Homo sapiens

<400> 167
ggcacgagtt aaaaacgaat tgtagttgtt tttcttcatt taaaatggat ctgttggagg 60
ttatgtgtgt atgttgtagt tttattgcag ccacaataat tttaccaaag ttttcacata 120
ggcagttagc ctttacttaa tatcaagaca agtgaaaaaa tattggcatc gatgaaaccg 180
ataacattgg cctcattgga tttctttacc cattcacagt gtaaagaagt taccttcatg 240
ctttcattgt acctgcaggc ctgtgggctt gtacagtaga taattaattt ctaaaaagaa 300
cagctgccca ttttcttcct aggttaggtt atatcttcat aatcacaaga attagtgatg 360
gcaaaataaa attttgctta tgaatctttt acattgttta tatatgatta atatcatcat 420
atatattttc tgtattaagc tcatttggct tcatttaagc tgtatactta gtcatatatc 480
tttcattagt tctatggata tgagcagatc cctttactgg agcccagtat gtgctgtgtg 540
agttagaagt cattcttgct gagaaggtga ataggtaggg atttgccttg ttttgtaagt 600
ctacaatttg ccaagagtaa ataacactgg accagctgta aaagtaaaca gtgtgtttat 660
gcattgagat actaaagcat ttaagaaaaa attaaaagat ctcttttgtt taaaaaaaaa 720
aaaaaaaaaa aaaa 734

<210> 168
<211> 1209
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1097)..(1097)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1120)..(1120)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1127)..(1127)

<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1141)..(1141)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1161)..(1161)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1197)..(1197)
<223> n equals a,t,g, or c

<400> 168
nccggtatgt ggccccgtct ggctagtccc gcctagcgcg cccatttcga gcccaagttt 60
ccagctcggg tttccaggct cagaattttc caggagtagg ttcttgggca gtggctgtgg 120
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ttgttaatct tctcttcagt gttggcaact tctatttact atatttgctt ttctgcaagg 480
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cagtatttcc aacactttat ttttttaact tcctttatta tacagaagca ggatctatgt 600
tttttactct ttttgcgtat ttgatgtgtc tttatggaaa tcataaaact tcagccttcc 660
ttggattttg tggcttcatg tttcggcaaa caaatatcat ctgggctgtc ttctgtgcag 720
gaaatgtcat tgcacaaaag ttaacggagg cttggaaaac tgagctacaa aagaaggaag 780
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tccttctggg atttctgttt tgtgcttttg tagtagttaa tggtggaatt gttattggcg 960
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ttagtttggg aaacgtngaa ttctgttttt tggtggttan cttagtnctc tgtggttttt 1140
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<210> 169
<211> 2149
<212> DNA
<213> Homo sapiens

<400> 169
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tcgcgctttt ctctccgtgc catggcgcca gcgaaagcca cgaacgtggt gcggctgcta 120
ctaggctcca cagcgctgtg gctttcgcag ctcggctccg ggacggtcgc cgcgtccaag 180
tcggtgactg cccacttggc cgcgaagtgg cccgagaccc cgctgctgct ggaggcaagt 240
gaatttatgg cagaagaaag taatgaaaaa ttttggcagt ttttggaaac tgtgcaagaa 300
ttagcaattt ataagcaaac agaatcagat tattcttatt acacttaat cctgaagaaa 360
gctggacagt ttctagacaa tttacacatc aacctttaa agtttgcttt ctctataagg 420
gcatactccc cagctattca gatgtttcag cagattgcag ctgatgagcc accaccagat 480
ggttgtaatg catttgtggt tattcataag aagcacacct gtaaaattaa tgagattaaa 540
aagctgctga agaaagctgc ttcaaggact agaccttatc tatttaaagg agatcacaaa 600
tttcctacaa acaaagagaa cttaccagtg gtgattctct atgccgaaat gggtactaga 660

acatttagtg catttcacaa agtattgtct gaaaaagctc aaaatgagga aattctgtat 720
gttcttcgcc attatattca gaaaccaagc tcacggaaaa tgtacttatc tgggtatggt 780
gtggagctag caattaagag tacagaatac aaagcactgg atgataccca agttaaaact 840
gtgactaata ctactgtaga ggatgagact gaaacaaatg aagttcaagg atttctcttt 900
gggaaactaa aagaaatata ttcagatctt agagataatc tgacagcatt ccaaaaatac 960
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gaatactgat gttacattaa acatatattc catttcaata ggaaatacat ttgcatagct 1260
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caactttgat gcaattgtat tctggttagg gatgacagag tataaaatta gcaacaagta 1380
aaatatgagt tagcttatac taaagagata aaatatgtga caagtcgcag tgcatgggca 1440
acaatggtgt tttactgaga ggaattggag agcagtctac tagcttagca taccttccta 1500
agcatagaat gattgctatg cctcttattg tcccaaacac tattttgtac atttattcat 1560
catacagatt acagaatctt caatatagt attctttaat tttgaaagta aataaatagt 1620
acatggttgg ctacaagata ccaaggattt tttggtggta ccttgaaata aaggagtttg 1680
ttccttattt acagattaag aatgaatata ttgatatgcc tctttcagtc aactttaaat 1740
gtcaagaatt tgagaagtcg tcatttatat aataaaacat gaaatatata tgggtgttga 1800
taaatgtcat atctgtttag ccataatatt ttaattaatg gccgttataa aaattattag 1860
atcaaataca aataaagtaa aataacttta gtcttgatca gacagttgat tagctctatt 1920
gatgctaagt cagtataact gttcagaggt tctgatgcaa aactctgctg ttaatctgta 1980
attaagaaaa aattataaaa tatgctaaca ttgcttaatg gctaaattgt aggcttgagc 2040
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aaataaatga aaaatttgcc ttaaaaaaaa aaaaaaaaaa aaaaaaaaa 2149

<210> 170
<211> 1084
<212> DNA
<213> Homo sapiens

<400> 170
ggtttggggg catcacagac tacacccgta tgagaggatg aacttaaatg ataaattgtg 60
tgtgtgtgca tgcatgtgtg cgtgcatgtg gactgttaca ctcattggtc cttctgctgt 120
ctctctccct ctcctcagcc ctctttattc cctgggacac agaaattttt aaataaggcc 180
aattaataat cctacattgg tctcttacgt gttagagtga aaagaagatt cacatatctc 240
tcattttaaa ttgaaagcta gaaatgatta agcttagtga ggaagccatg ttgaaagctg 300
agatagtcca aaaactaggc ctcttgcacc agttagccaa gttgtgaatg caaaagaaaa 360
gtgcctggag gatatttaaa atgctgctcc agtgaacaca caaacgatag agaagcaaaa 420
tagccttatt gctgatatgg agaaagtttt aatggtctgg atagaagatc aaaccaactg 480
caacatttcc ttaagcaaaa tcctaattca gaacacagcc atagctgtct ccaattctat 540
gaagacagag cagagaggaa gctgtggaag taaagtttga aaataagagg ttgttcatga 600
ggtataagga aagaagacat ctccataaca taaaagtgta agtgaaacat caagtgcgaa 660
tacagaagct gcagcaagtt atccagaaaa tctaagatca ttgaagaagg tggctacact 720
aaacaataga ttttcaatat agacaaaaga gccttctgtt gattttaggc atctagccta 780
aaatggaaga agatgccatc taggacttta atgggtagag aggagagtt gatacctgtc 840
ttcaaagtaa agactgactc ttttgttagg ggctgttgca gctggtgaca ttaagttgaa 900
gccaatgctc attcaccatt ccagaaatcc ttgtgccctt aagaattatg ctaaatctac 960
tctgactgtg ttctacaagt agaacaacaa agcctggatg acagcatatc tgtttatagt 1020
catggtttac taaatatttt aagcccactg ttgagaccta ctgctcagaa aaaaaaactc 1080
gtag 1084

<210> 171
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (20)..(20)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (27)..(27)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (49)..(49)
<223> n equals a,t,g, or c

<400> 171
ccgtttgccg gcccgcctcn tgggacntgg tggtcccccc ccgggcctnc agggattcgg 60
cmcgrgtgca tacatgccta cctatgtata tataaacaaa cattttgta aacagctcag 120
tgaggacttt ggactggcat aaatcatagg aatatgatta tgaggataca tccaattttc 180
agattgggca atgtatacag tttattatca tttctgattt tgggtagagt tagtactaag 240
aacagcattg aagaaaagca gtataacatt aaaattaaga agatttaaaa tacaagagga 300
ttcataacag tcacttttaa aatattgttt tggctttcta ctttggagct gtaattttaa 360
aaaaagaatg aacaggtttt tgtatgaata tgttagaatg actaattata gagcatcttt 420
caactggaat acatgtagat actaacacct ggttgtattt gatgtaattt cagtgcatac 480
agtgtgtgta atctgtatta agtgaaatac ttatgaataa agttgtttct gcattgcaaa 540
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaactc ga 582

<210> 172
<211> 1046
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (483)..(483)
<223> n equals a,t,g, or c

<400> 172
agcaagttca cagtagaagg aggttgagat ctttctttta tgtgagaaat ctttgaatct 60
cattcatgcg atcagagttg tagccaattt ttgaaaacct tattttcaaa ggaaataaat 120
gattcactgt aggattcctt taaatatcaa gcatcaccag tatatgcttt gatggtatat 180
gtatataact taaagttctt tcaaaagcct gatacagaaa cgtgtcccca gtttggtagc 240
aatgtggaaa acctggctag agatgatatg gagctgtccc tcagaaagca aagccatgcc 300
tggaatccct aataggctgc ttagttgtga acctgtttga tttgccttaa gcctctatcc 360
agaaacctgc ccgcttccgt ctggttaaga agccagtggt ggatattttc tttgttaaca 420
ttagaaatgc aaacattccc ttgtcaacca agaatactca aagctacttg tattggaaat 480
ggncagaagg cctaaatcca aatttcttat tttttataat ttaccataga agttttgtga 540
ttaaattctt acttctgcca gtggaggttt atgcctgaaa gtcatggggt cctgtctgta 600
aatagaccta aagagaagtg cagtatttat tctttgtagg cataatgtgt ttgtcactga 660
caagcattca tattcatccc actagtcttt tattgcagtc ttttattgtc attttcagcc 720
ttatgttgga gagctttgct ttctcatcat gttcacattg tcttaagttt tgtgagcttc 780
tgagaaagag cttggtaaag gtttaaaggg gactttgttc caccagggag cattttattt 840
gggcgtctca ccctttttcta atgaaagctg ttgtaagcca cctctgactt ggaaattctg 900
aaagtatgaa tatttttttat atcttaattg taaaatgcca gttctccatt atttagatga 960
atagtagaac actgcaccct ttgtgcagtg tttttgtttc tctactgcat tccatccccc 1020
accaaaaaaa aaaaaaaaaa actcga 1046

<210> 173
<211> 558
<212> DNA
<213> Homo sapiens

<400> 173
ctgcaggaat tcagcacgag ytggcatgtg acaacccagg gctgcctgaa aatggatacc 60
aaatcctgta caagcgactc tacctgccag gagagtccct caccttcatg tgctacgaag 120
gctttgagct catgggtgaa gtgaccatcc gctgcatcct gggacagcca tcccactgga 180
acgggccccc gcccgtgtgt aaagtagcag aagcggcagc agagacgtcg ctggaagggg 240
ggaacatggc cctggctatc ttcatcccgg tcctcatcat ctccttactg ctggaggag 300
cctacattta catcacaaga tgtcgctact attccaacct ccgcctgcct ctgatgtact 360
cccaccccta cagccagatc accgtggaaa ccgagtttga caaccccatt tacgagacag 420
gggaaaccag agagtatgag gtttctatct aaagagagct acacttgaga aggggacttg 480
tgaactcaac cacaatctcc tcgaggggggg gccggtaccc aattcgscct atagtgagtc 540
gtattacaat taatgggc 558

<210> 174
<211> 685
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (678)..(679)
<223> n equals a,t,g, or c

<400> 174
actacggctg cgagaagacg acagaagggg ggcggcgacg gaggaggagg atggaggcgg 60
tggtgttcgt cttctctctc ctcgattgtt gcgcgctcat cttcctctcg gtctacttca 120
taattacatt gtctgattta gaatgtgatt acattaatgc tagatcatgt tgctcaaaat 180
taaacaagtg ggtaattcca gaattgattg gccataccat tgtcactgta ttactgctca 240
tgtcattgca ctggttcatc ttccttctca acttacctgt tgccacttgg aatatatatc 300
gatacattat ggtgccgagt ggtaacatgg gagtgtttga tccaacagaa atacacaatc 360
gagggcagct gaagtcacac atgaaagaag ccatgatcaa gcttgtttc cacttgctct 420
gcttcttcat gtatctttat agtatgatct tagctttgat aaatgactga agctggagaa 480
gccgtggttg aagtcagcct acactacagt gcacagttga ggagccagag acttcttaaa 540
tcatccttag aaccgtgacc atagcagtat atattttcct cttggaacaa aaaactattt 600
ttgctgtatt tttaccatat aaagtattta aaaaacatga aaaaaaaaaa aaaaaaaaaa 660
aaaaaaaaaa aaaaaaanna aaaaa 685

<210> 175
<211> 1669
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (587)..(587)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1634)..(1634)
<223> n equals a,t,g, or c

<220>

<221> misc_feature
<222> (1648)..(1648)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1659)..(1659)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1668)..(1668)
<223> n equals a,t,g, or c

<400> 175
aggcgcttag gggctgaggc gcgatggcag gtgtcggggc tgggcctctg cgggcgatgg 60
ggcggcaggc cctgctgctt ctcgcgctgt gcgccacagg cgcccagggg ctctacttcc 120
acatcggcga gaccgagaag cgctgtttca tcgaggaaat ccccgacgag accatggtca 180
tcggtcaggc gggctgaggg tggggaggcc ctttgtaccc agctcagccc tcggcggcgc 240
tccctcctcc cgagcccagc cgggtcgctg gctcccccag tacctagcct gagggtgccc 300
cgaggacgcc aggccccctg cctagagctc cgggccgcac gtcggagggggccgggcgga 360
gaggcggccc actagggccg gtcgtgacta tgtgtctgcc ccgcaggcaa ctatcgtacc 420
cagatgtggg ataagcagaa ggaggtcttc ctgccctcga cccctggcct gggcatgcac 480
gtggaagtga aggaccccga cggcaaggtg gtgctgtccc ggcagtacgg ctcggagggc 540
cgcttcacgt tcacctccca cacgcccggt gaccatcaaa tctgtcngca ctccaattct 600
accaggatgg ctctcttcgc tggtggcaaa ctgcgkgtgc atctcgacat ccaggttggg 660
gagcatgcca acaactaccc tgagattgct gcaaaagata agctgacgga gctacagctc 720
cgcgcccgcc agttgcttga tcaggtggaa cagattcaga agggcagga ttaccaaagg 780
gcaagtgcat atctccttgt aatttgagag ggcagttgac ctttataccc actataccta 840
ctcaagtttc tgcttgggag atcagctctg cagagaatgg aatgagaagt attggtttag 900
ataggttgtt tgtttgttgt ttttgagacg gagtttcact cttgttgccc atgctggagt 960
gcaatgccat gatcttggct cactgcaacc tccgcctccc caggctgagg caggagaatg 1020
gcgtgagctc gggaggtgga gcttgcagtg agctgagatc gtgccactgc actccagcct 1080
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gctttctcag agtttacaac atccttacca aacagccttc tccctcctta ccacaaaaaa 1260
araaaaaaaa gttctggggt tgaggggaca ctccattctt aacatcctct attatcccag 1320
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tgacatagat tcctgtgcaa cacttcagat atagtcttaa tgtagatttg tgttggggtg 1560
gtatggtagg tagaataatg ggcctaccac tgtgtaaaca tatggatatg tttacctaac 1620
atgacagaag aganttaagt tgctaatnag atgactgtna aataaatna 1669

<210> 176
<211> 1038
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (806)..(806)
<223> n equals a,t,g, or c

<400> 176
ggcacgagtg gctgcagcgg ggcccgcgtg gtgcctcctg aggcggcccc cggatgaaga 60
gatctgggaa cccgggagcc gaggtaacga acagctcggt ggcagggcct gactgctgcg 120

gaggcctcgg caatattgat tttagacagg cagacttctg cgttatgacc cggctgctgg 180
gctacgtgga ccccctggat cccagctttg tggctgccgt catcaccatc accttcaatc 240
cgctctactg gaatgtggtt gcacgatggg aacacaagac ccgcaagctg agcagggcct 300
tcggatcccc ctacctggcc tgctactctc taagcrtcac catcctgctc ctgaacttcc 360
tgcgctcgca ctgcttcacg caggccatgc tgagccagcc caggatggag agcctggaca 420
cccccgcggc ctacagcctg ggcctcgcgc tcctgggact gggcgtcgtg ctcgtgctct 480
ccagcttctt tgcactgggg ttcgctggaa ctttcctagg tgattacttc gggatcctca 540
aggaggcgag agtgaccgtg ttccccttca acatcctgga caaccccatg tactggggaa 600
gcacagccaa ctacctgggc tgggccatca tgcacgccag ccccacgggc ctgctcctga 660
cggtgctggt ggccctcacc tacatartgg ctctcctata cgaagagccc ttcaccgctg 720
agatctaccg gcagaaagcc tccgggtccc acaagaggag ctgattgagc tgcaacagct 780
ttgctgaagg cctggccagc ctcctngctg ccccaagtgg caggccctgc gcaggcgag 840
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ctgccttggg gaccctggac gtgccgacat atggccattg agctccaacc cacacattcc 960
cattcaccaa taaaggcacc ctgaccccaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
aatttggggg ggggcccc 1038

<210> 177
<211> 921
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)..(4)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (9)..(9)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (11)..(11)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (15)..(15)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (20)..(20)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (901)..(901)
<223> n equals a,t,g, or c

<400> 177
gcgnggggna naggnaagcn ccccactatt gggttcaaaa gctggagctc caccgcggtg 60
gcggccgctc tagaactagt ggatcccccg ggctgcagga attcggcacg aggtctgagc 120
agataagatt aagggctggg tctgtgctca attaactcct gtgggacgg gggctgggaa 180
gagcaaagtc agcggtgcct acagtcagca ccatgctggg cctgccgtgg aagggaggtc 240

tgtcctgggc gctgctgctg cttctcttag gctcccagat cctgctgatc tatgcctggc 300
atttccacga gcaaagggac tgtgatgaac acaatgtcat ggctcgttac ctccctgcca 360
cagtggagtt tgctgtccac acattcaacc aacagagcaa ggactactat gcctacagac 420
tggggcacat cttgaattcc tggaaggagc aggtggagtc caagactgta ttctcaatgg 480
agctactgct ggggagaact aggtgtggga aatttgaaga cgacattgac aactgccatt 540
tccaagaaag cacagagctg aacaatactt tcacctgcttcttcaccatc agcaccaggc 600
cctggatgac tcagttcagc ctcctgaaca agacctgctt ggagggattc cactgagtga 660
aacccactca caggcttgtc catgtgctgc tcccacattc cgtggacatc agcactactc 720
tyctgaggac tcttcagtgg ctgagcagct ttggacttgt ttgttatcct attttgcatg 780
tgtttgagat ctcagatcag tgttttagaa aatccacaca tcttgagcct aatcatgtag 840
tgtagatcat taaacatcag cattttaaga aaaaaaaaaa aaaaaaarct cgaggggggg 900
nccggtaccc agggcggaag a 921

<210> 178
<211> 894
<212> DNA
<213> Homo sapiens

<400> 178
ggcacgaggt actgccgggc tgccgggtcc ctgctctggg tacttctctg ctttcgggcg 60
tctcgtctag aagctgcagc ttggcctgtc tcacctctac acagaggggc tgctggcgcc 120
tgacggaaaa aggtccacac acccgatggc cggcccgggg tggacgctgc tgctactgct 180
gctgctgctg ctgctgctgg ggtccatggc agggtatggg ccacagaaga agttgaacct 240
gtcccataag ggcatcgggg agccatgcgg gagacacgag gagtgccaga gcaactgctg 300
taccatcaac agcctggccc cacacacgct ctgcacccct aagaccatct tcctgcagtg 360
cctgccctgg aggaagccca atgggtacag atgctgcac gactcagagt gccagagcag 420
ctgctgcgtc cgcaacaaca gcccgcagga gttgtgcacg ccccaaagcg tcttcctgca 480
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ccagtgctgc atccagctga gggagtacag ccccttccgc tgcattcccc ggaccgggat 600
cctggcccag tgcctgcccc tgtgatgtga gctcgaacct gggcgcgagg gaccggcctg 660
ggccctggga tgttcacgca ggaccgcgtt gcgcgggggc tggttccagc ggaagcttcc 720
cttacggttt gtgctgctgt ttctggggct ctgaaaatct gtgggaactg aaaggctgtg 780
accagcctgg tggcgcgaag tgtctgtgag aacaaatccc aggcactggg gtgtagcctg 840
attgttaaac atcaataaag gctcctggcc gactgaaaaa aaaaaaaaaa aaaa 894

<210> 179
<211> 442
<212> DNA
<213> Homo sapiens

<400> 179
ggcacgagat agaacccact gcctcctgat gaagtcccta ctgttcaccc ttgcagtttt 60
tatgctcctg gcccaattgg tctcaggtaa ttggtatgtg aaaaagtgtc taaacgacgt 120
tggaatttgc aagaagaagt gcaaacctga agagatgcat gtaaagaatg gttgggcaat 180
gtgcggcaaa caaagggact gctgtgttcc agctgacaga cgtgctaatt atcctgtttt 240
ctgtgtccag acaaagacta caagaatttc aacagtaaca gcaacaacag caacaacaac 300
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<212> DNA
<213> Homo sapiens

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<210> 183
<211> 1886
<212> DNA
<213> Homo sapiens

<400> 183
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<210> 184
<211> 2971
<212> DNA
<213> Homo sapiens

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<211> 1337
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<211> 1129
<212> DNA
<213> Homo sapiens

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<211> 799
<212> DNA
<213> Homo sapiens

<400> 187
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<211> 1689
<212> DNA
<213> Homo sapiens

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<210> 189
<211> 420
<212> DNA
<213> Homo sapiens

<400> 189
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<211> 1090
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (43)..(43)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (54)..(54)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (95)..(95)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (545)..(545)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (863)..(863)
<223> n equals a,t,g, or c

<400> 190
cattgacntc aatgggagtt tgttttgnca cccaaaatcc aangggactt tccnaaattg 60
tcgtaaccaa ctccccccca ttgaccccaa atggncggta ggcgtgtac gggtgggagg 120
tctatataag cagagctcgt ttagtgaacc gtcaagatcc gcctggagac gccatccacg 180
ctgttttgac cctccataga agacaccggg accgatccag cctccggact ctagcctagg 240
cttttgcaaa aagctattta ggtgacacta tagaaggtac gmctgcaggt accggtccgg 300
aattcccggg tcgacccacg cgtccgccag cctggaggcc cagacgtggc gcagcgactc 360
ggaggttcgc ctccagcttg cgcatcatct gcggccgggt cccgatgagc ctcctgttgc 420
ctccgctggc gctgctgctg cttctcgcgg cgcttgtggs cccagccamr gccgccactg 480
cctaccggcc ggactggaac cgtctgagcg gcctaacccg cgcccgggta gagacctgcg 540
ggggnatgac agctgaaccg cctaaaggag agkgaaggct ttcgtcacgc aggacattcc 600
attctatcac aamctggtga tgaaacacct ccctggggcc gaccctgagc tcgtgctgct 660

gggccgccgc tacgaggaac tagagcgcat cccactcagt gaaatgaccc gcgaagagat 720
caatgcgcta gtgcaggagc tcggcttcta ccgcaaggcg gcgcccgacg cgcaggtgcc 780
ccccgagtac gtgtgggcgc ccgcgaagcc cccagaggaa acttcggacc acgctgacct 840
gtaggtccgg gggcgcggcg ganctgggac ctacctgcct gagtcctgga gacagaatga 900
agcgctcagc atcccgggaa tacttctctt gctgagagcc gatgcccgtc cccgggccag 960
cagggatggg gttggggagg ttctcccaac cccactttct tccttcccca gctccactaa 1020
attccctcct gccttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aaaaaaaaaa 1090

<210> 191
<211> 1676
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (798)..(798)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (927)..(927)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (944)..(944)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (974)..(974)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1035)..(1035)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1058)..(1058)
<223> n equals a,t,g, or c

<400> 191
acgagcagat tcccaagaag gtacagaagt ctttgcaaga aaccattcag tccctcaagc 60
ttaccaacca ggagctgctg aggaagggta gcagtaacaa ccaggatgtc gtctcctgtg 120
acatggcctg caagggcctg ttgcagcagg ttcagggtcc tcggctgccc tggacgcggc 180
tcctcctgtt gctgctggtc ttcgctgtag gcttcctgtg ccatgacctc cggtcacaca 240
gctccttcca ggcctccctt actggccggt tgcttcgatc atctggcttc ttacctgcta 300
gccaacaagc gtgtgccaag ctctactcct acagtctgca aggctacagc tggctggggg 360
agacactgcc gctctggggc tcccacctgc tcaccgtgct gcggcccagc ttgcagctgg 420
cctgggctca caccaatgcc acagtcagct tcctttctgc ccactgtgcc tctcaccttg 480
cgtggtttgg tgacagtctc accagtctct ctcagaggct acagatccag ctccccgatt 540
ccgtgaatca gctactccgc tatctgagag agctgcccct gcttttccac cagaatgtgc 600
tgctgccact gtggcacctc ttgcttgagg ccctggcctg ggcccaggga gcactgccat 660
gaggcatgca gaggtgaggt gacctgggac tgcatgaaga cacagctcag tgaggctgtc 720

cactggacct ggctttgcct acaggacatt acagtggctt tcttggactg ggcacttgcc 780
ctgatatccc agcagtangc cctgccttcc tggccactga tttctgcatg ggtagaccat 840
ccaagactgc agcgggtaga aggtggcagt tcttcatggg agtcttttta acttggtgcc 900
tgagttctct cctaagcaag tggccanttg cctccacctc agtncttcca tctttgggtg 960
ggggacaggg gccnagcaag catctcagcc tcctacccac aattccactg aacacttttc 1020
tggccctact gcacntggcc cccagcctcc atccttgngc tggtagcctc tcacaactcc 1080
gtccttgccc tttgccttcc acttccttcc atctcatttc taaaccccaa acagctcatc 1140
tctaaaaaga tagaactccc agcaggtggc ttctgtgttc ttctgacaaa tgattcctgc 1200
ttctccagac tttagcagct cctgatccca ttcttggtca cagctctagc cacagcagaa 1260
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tgaagcctgg gtgtggctgt cagtggacat ggggagctgg atggaaatgc ctctcacttc 1380
aaaatgccca gcctgcccca aatgcctcta agcccctccc tgtcccctcc cttgtagtcc 1440
tacttcttcc aactttccat tccccatcat gctgggggtc ttggtcacaa ggctcagctt 1500
ctctccactg tccatccctc ctatcatctg tagagcagag cacaggcagt tgtgtgcctt 1560
gggcccaggg aaccctccat caacctgaga caggactcag tatatggttc ttgggtatgc 1620
cctaccaggt ggaataaagg acacagattt gatttctaaa aaaaaaaaaa aaaaaa 1676

<210> 192
<211> 1569
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (341)..(341)
<223> n equals a,t,g, or c

<400> 192
gtattggcca ggctggtctc aaactcctga cctcgtgatc cacccacctt ggccctccaa 60
agtgcagaga ttacaggcat gagccactgc acctggcctc aagaaaaatt atatatcacg 120
tggaatagga tagtagtctc tgcactgatt ttcgttgata atggctgttc ttcttatcac 180
cattttgcta tttctttgtc tgggctatta cagggttatt acagaaattt ccagaaagac 240
ccctgcctgt cgaatgttta cttcaagctt gagctcctgg tatattatga ggaaattata 300
tgatacccca ggagaggtct tcctttccca tgccattgta naattcctaa agtaaaatta 360
atttgccttc ttgtcaaaga aggagccaat gttgttttaa aattttagct tgagagatag 420
gtggggaaga aattaaatag acaagtaatc mctattcaga agagaagggagagtcattgt 480
acgaggccca agatacttgc ccaaaaatat cgcagagaaa aactagtctt tggggtccta 540
ttttttgagt ggaacatttg agttatttaa aattagaatt ttattttggt cagattagaa 600
tttctagggt atgtcatatg tgtttttaaa ttgaaagctc ttaaaactcc tattgtagtt 660
taatgtcatt atccattaat ttacataaat ctgatttgga tctctatttt catcgtagac 720
tgtgtagggg caatttttcc taaaggttct gtgacatagt gctacctttt ttttaaaacc 780
tgtcttgccc aggcattatt gagtgccccc tggtgccagc atgtgtattt cacgactgta 840
tcaacaaatc atgatcatct tctctggcca ttgtgccctt tcagttcca aacttgttac 900
ctctcagtcc ttcctacaaa cttagaaagt ctaatatctt aatgtttact tatgtagcaa 960
cctccctttc tcccatccct aaatcctctt gtaattaatt attttccttt ggaacttttt 1020
aaatctacaa tttccttata atatggtaac caatattaat tttcttgttc tgcgccaagt 1080
ttgattttat acaaattgtt tccagtttgg gtcatgagca caaaaccagg tatttttaaa 1140
aatctatata acccttcaat gaggcagtat taattttatt aactcattaa ttcaaccaat 1200
aattcttgat tgtttactgt gttagatatt ggggtatccc caatacctga cagctgtgag 1260
caaaacaaat gccctacaca catgaggtgt acagtccagt agaaaagata aacaataagc 1320
aaattaatag ataatatgat gtccaataag gacttcaaag gaaaataaag cagagtaaag 1380
agccagagaa tgacagtgag ctgtttttca catgagtcat cagaaaaggc ctctttaaag 1440
aattgacatt tgaacagaaa aacgaatcaa gggcgtcaac tgtttattgc ttttattgct 1500
taccatttga ccaagcaatt ctacacatag gattcaccct aaaaaaaaaa aaaaaaaaaa 1560
aaactcgag 1569

<210> 193

<211> 1251
<212> DNA
<213> Homo sapiens

<400> 193
gcaccgtgga gctgcaggag atgccccttg tccaggagtt gccactgctg aagcttgggg 60
tgaattacct tccgtccatc ttcatcgctg gggtcaattt tgtgctgccg cccgtgttca 120
agctcattgc tccactggag ggctacactc ggagtcgcca gatcgttttt atcctgctca 180
ggaccgtgtt tcttcgcctc gcctccctgg tggtcctgct cttctctctc tggaatcaga 240
tcacttgtgg gggcgactcc gaggctgagg actgcaaaac ctgtggctac aattacaaac 300
aacttccgtg ctgggagact gtcctgggcc aggaaatgta caaacttctg ctctttgatc 360
tgctgactgt cttggcagtc gcgctgctca tccagtttcc tagaaagctc ctctgtggcc 420
tctgtcctgg ggcgctgggt cgtctggcgg ggacccagga gttccaggtg cccgacgagg 480
tgctggggct catctacgcg cagacggtgg tctgggtggg gagtttttc tgccctttac 540
tgcccctgct taacacggtc aagttcctgc tgcttttcta cctgaagaag cttaccctct 600
tctccacctg ctccccggct gcccgcacct tccgggcctc cgcggcgaat ttctttttcc 660
ccttggtcct tctcctgggt ctggccatct ccagcgttcc cctgctttac agcatcttcc 720
tgatcccgcc ttctaagctt tgtggtccat tccgggggca gtcgtccatc tgggcccaga 780
tccctgagtc tatttccagc ctccctgaga ccacccagaa tttcctcttc ttcctgggga 840
cccaggcttt tgctgtgccc cttctgctga tctccagcat cctgatggcg tacactgtgg 900
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cgcagaataa agtcttcctg gcacggcgcg ctgtggcgct gacctccacc aaaccggctc 1020
tttgaccccc gcagcccacg tcccgctttc agaccccagg cccattgtaa gcctaggcta 1080
caacatctgt aaactaggag aactggagaa gactccacgc ccttccagct ttggtatctg 1140
gagatttcca gggcccctcg ccgccacgtc cctgactctc gggtgatctt ccttgtatca 1200
ataaatacag ccgaggttgc tgaraaaaaa aaaaaaaaaa aaaagtcgag c 1251

<210> 194
<211> 1345
<212> DNA
<213> Homo sapiens

<400> 194
tctacctctt gtcctccccc caacaccacc accaccctgg ctcccctccc tcatgaccgc 60
ctggatcctc ctgcctgtca gcctgtcagc gttctccatc actggcatat ggactgtgta 120
tgccatggct gtgatgaacc accatgtatg ccctgtggag aactggtcct acaacggatc 180
ctgccctcct gaccctgctg agcaaggggg tcccaagacc tgctgcaccc tggacgatgt 240
ccccctcatc agtggccctg atctgcctcc tgcgctacgg gcagctcctg gagcagagtc 300
ggcactcttg ggttaacacc acggcactca tcacaggctg caccaacgct gcgggcctct 360
tggtggttgg caactttcag gtggatcatg ccaggtctct gcactacgtt ggagctggcg 420
tggccttccc tgcggggctg ctctttgttt gcctgcactg tgctctctcc taccaagggg 480
ccaccgcccc gctggacctg gctgtggcct atctgcgaag tgtgctggct gtcatcgcct 540
ttatcaccct ggtcctcagt ggagtcttct ttgtccatga gagttctcag tgcaacatg 600
gggcagccct gtgtgagtgg gtgtgtgtca tcgatatcct cattttctat ggcaccttca 660
gctacgagtt tggggcagtc tcctcagaca cactggtggc tgcactgcag cctacccctg 720
gccgggcctg caagtcctcc gggagcagca gcacctccac ccacctcaac tgtgcccccg 780
agagcatcgc tatgatctaa ggtctgggga gggtggctgg cccggcctcc acagcacccc 840
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gggatctggg cttcctcact tctggagaag tggccatccc atgcccacct gtgccatgga 960
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cagaggggat agaagtctgg tggaggtgga gtgggcacgc cttagctacg gaaaggccca 1200
tttctgggcc cactgagctg cactgggatt cttcactctg cccctcactt cctttagggc 1260
aaataacaca gcagaaccac gtgggtattt tagtactttt ttttatatta aaagaattct 1320
aatttgcaaa aaaaaaaaaa aaaaa 1345

<210> 195
<211> 1323
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1086)..(1087)
<223> n equals a,t,g, or c

<400> 195
gctgaagatg gggtccctcg cacggcacgg tccatgtccc tcacgctggg aaagaatatg 60
cctcgccgga ggtcagcgtt gctgtggttc ctaagtttaa tgccctgaat ctgcctggcc 120
aaactcccag ctcatcatcc attccctcct taccagcctt gtcggaatca cccaatggga 180
aaggcagcct acctgtcact tcagcactgc ctgcactttt ggaaaatgga aagacaaatg 240
gggacccaga ttgtgaagcc tctgctcctg cgctgaccct gagctgcctg ggaggagctt 300
agtcaggaga ccaaggccag gatggaggaa gaagcctaca gcaagggatt ccaagaaggt 360
ytaaagaaga ccaaagaact tcaagacctg aaggaggagg aggaagaaca gaagagtgag 420
agtcctgagg aacctgaaga ggtagaagaa actgaggaag aggaaaaggg cccaagaagc 480
agcaaacttg aagaattggt ccatttctta caagtcatgt atcccaaact gtgtcagcac 540
tggcaagtga tctggatgat ggctgcagtg atgctggtct tgactgttgt gctggggctc 600
tacaattcct ataactcttg tgcagagcag gctgatgggc cccttggaag atccacttgc 660
tcggcagccc cagggactcc tggtggagct caggactcca gcatgagcag cctacagagc 720
agtaggaaac ctcacaccta gccagtgccc tgctctgaga cactcagact accacccttt 780
ccccaagtat aacgtcaggc ccaagtgtgg acacactgcc gcccatccca tcaggtcatg 840
aggaagggtt cttttaacac tcggcacttc tgtgggagct attcatacac agtgacttga 900
tgttcttgga ggatcaacaa aactgccctg ggaaagcatc cagtggatga agaagtcacc 960
ttcaccaagg aactctattg gaagggaagg tctcctgccc ctagctcagg tggctgggga 1020
gaactaaaac accttcactg gtggttgggg gtaaggagcg gggcacgggg gaggaggagg 1080
tagggnncag taaaaaactt actctctttt ttcctctctg taattggtta tcaggaagaa 1140
tttgcttaat gactaacacc ctaagcatca gacctggaat ttggagttgc aaagtgacta 1200
tcttcccatt tcccatctca ttttcaataa cttcagcctc ccattctttc ctttggaatg 1260
agagtttctt tttacagaag taggaaaggc ttctcagaaa aaaaaaaaaa aaaaaaaact 1320
cga 1323

<210> 196
<211> 669
<212> DNA
<213> Homo sapiens

<400> 196
cagcctcatt ttctcagtgc cccagaggtc taggatagga tttctaaact ggaatcatcc 60
ttaatcacct tgaagatccc ttaagaggca tttgactggt gctgccgtct gtgtcctcaa 120
agcaatgctg gtggcatcgt cctgtgtaca catgcagagc taatacccaa actaaaaact 180
gggtaactgg ccctgaagtg cttcccaatc agtaagccac agggaaatgt ttgattttta 240
tgttctgttg gattttggtt tgcttggcat atctaaaggt gcctttactt ttctttttt 300
ttttttttct ttctgctttg ttttgtagga cttgttctaa catggaaaac aagtcagaa 360
gactctcctc tgactgttac ctttgcccca agccacccca aacttttatg ctcatgtttt 420
attaaagcag gtgctccctg gaatctctgg gacatttttg aggcatttga agcagaatat 480
agagtggtct catctccttc cttaatcttc ctggtggttg ggatgttcca cttgtatcat 540
agatttttt attacagata tgctccactg tttttaaatg tgaacttgtg cgcaaatgtg 600
cagattcaat gttcttgtta cagattgaat aaatttttat tttgaarawr aaaaaaaaaa 660
aaactcgag 669

<210> 197
<211> 1271
<212> DNA

<213> Homo sapiens

<400> 197
ggggctgggc cctgctcagg tggctctctc cttgcaggga ccggcgatgc tctgcaggct 60
gtgctggctg gtctcgtaca gcttggctgt gctgttgctc ggctgcctgc tcttcctgag 120
gaaggcggcc aagcccgcag agaccccacg gcccaccagc ctttctgggg ctcccccaac 180
accccgtcac agccggtgtc cacccaacca cacagtgtct agcgcctctc tgtccctgcc 240
tagccgtcac cgtctcttct tgacctatcg tcactgccga aatttctcta tcttgctgga 300
gccttcaggc tgttccaagg ataccttctt gctcctggcc atcaagtcac agcctggtca 360
cgtggagcga cgtgcggcta tccgcagcac gtggggcagg tgggggggag ggctagggcc 420
ggcactgaag ctggtgttcc tcctaggggt ggcaggatcc gctcccccag cccagctgct 480
ggcctatgag agtagggagt ttgatgacat cctccagtgg gacttcactg aggacttctt 540
caacctgacg ctcaaggagc tgcacctgca gcgctgggtg gtggctgcct gcccccaggc 600
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cctggatggc tgggacccag cccaggacct cctggtggga gatgtcatcc gccaagccct 720
gcccaacagg aacactaagg tcaaatactt catcccaccc tcaatgtaca gggccaccca 780
ctacccaccc tatgctggtg ggggaggata tgtcatgtcc agggccacag tgcggcgcct 840
ccaggctatc atggaagatg ctgaactctt ccccattgat gatgtctttg tgggtatgtg 900
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gcggcccctg gaccccttag acccctgcct gtatagggggg ctcctgctgg ttcaccgcct 1020
cagccccctc gagatgtgga ccatgtgggc actggtgaca gatgaggggc tcaagtgtgc 1080
agctggcccc ataccccagc gctgaagggt gggttgggca acagcctgag agtggactca 1140
gtgttgattc tctatcgtga tgcgaaattg atgcctgctg ctctacagaa aatgccaact 1200
tggtttttta actcctctca ccctgttagc tctgattaaa aacactgcaa cccaaaaaaa 1260
aaaaaaaaaa a 1271

<210> 198
<211> 933
<212> DNA
<213> Homo sapiens

<400> 198
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ttcttctttc cgttgttttg ttattgtttt aactataata agagggccag aggcagtcaa 120
gccctggcca ggtcctggcg gcccatgggg gttctgggga gggggagggg ggaagtcagt 180
gggggtcaga ggtggagggt gaagaatgag aaagttgggg agttaggctt agctcaggaa 240
ccatgtgtcc ctgcccactc ccctccttcc ttgccccctc ctacctccct gcctctacat 300
ggcttctctc cacccctccc agagtcctac gggacaggac cctgctccag tggtatccaa 360
ctcctccctg cccactcttc ctcatgggcc acctcacctc ccactttcga tgtctcgcct 420
cccgtggcca ccctgcaatt agctttccaa gccccctccc gtggccgtcc cctcccaaga 480
cctctcaccc atgtagcaat ccctacatgg ctgcctgtca tgtccctact ctctaagccc 540
tcctgcccac tgttcctccc tccccgacat gctgasacca agtggtggaa accacccctc 600
agccccagcc tgccctgtgc agarttcagc tktgtgttga atgaggggga garggacaag 660
tgagggcgga gagagagttc aggaggaggc aggatgcgca gggagcagag agtgagggag 720
ggagataccg aacagataga cagaaaacgt tgtacggaaa agttgttttt tcttattttt 780
tttccgggag aacccgctta cacagctctg tttgtaattt ttttcttcat gctaaaatca 840
cacggcctat ttgttgatgt aagttgcctg aattccgtgg tatgctatct tctttttaa 900
aaacaaaagc aaaaaaaaaa aaaaaaaact cga 933

<210> 199
<211> 470
<212> DNA
<213> Homo sapiens

<400> 199
ggcacgaggg aaatcttgca cataggcagg taaataatta taaatggtga agtggattat 60
tctgagctgc ttaattttaa agggaaagag aactttaaac tcttcaacct tttatgctgc 120

taataagagt tccacaatca atagaaatct atcttggcag gcacttcctt ttacccacta 180
gaatttttc ccttgggagt tcacgatccc cagaaactgt gatatgagcc attcaatatt 240
gatgtactaa aacagtgctc tgcttaaata cagtttttca acatacagtc ttggaagaaa 300
caaaatccaa aataaattcc aatagtccag taacaggaat aaagacaact attgcaaatt 360
aaatcttaca gacttatatg aaagctgttg ttaacagctg ggtactagtt atttgaaaag 420
tttctcgtgc cgaattcgat atcaagctta tcgataccgt cgacctcgta 470

<210> 200
<211> 1020
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)..(3)
<223> n equals a,t,g, or c

<400> 200
cgncacgagg tgaagttcaa cccaatgcaa ctttccttca gtctttccgt gaaagcgcct 60
gtgaaaaatg aggtcatatt tccctttctc agtctgcccc ttcccgtttt gctctccggt 120
tttcttcttt gtcttcacag atgtttacct atgtttttc tttgtttttg ctgttggaag 180
acatctaagt gatccttttc ccattctctt tttcactcat aaatgtcctg atgtttagca 240
aaaggcagtt ctctttgcta cttgagcttg taaactgttg ttaaatgagt aaccaaaagg 300
aaagtccttg cgaagttggt taccatttca gatacaagaa ccgtttatct tcccacgctg 360
acgaattttg cgagtgagat gattattttt ccttgtgttt gtaatttatt taagtaaatt 420
ccttgtttgt ttttcttttc agtacaccag gggtatatat tttcaatatg acatgtacct 480
ttggttcagg gctaagttag agtctgaaaa atgaagcctg taggattcat ggcagtgtac 540
taattgtgat tcatcttact gattgtaggg caagaagagt ggactaactc aagacacaag 600
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<211> 1881
<212> DNA
<213> Homo sapiens

<220>
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<222> (70)..(70)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<400> 201

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<211> 1408
<212> DNA
<213> Homo sapiens

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<211> 2407
<212> DNA
<213> Homo sapiens

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<211> 795

<212> DNA
<213> Homo sapiens

<220>
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<222> (791)..(791)
<223> n equals a,t,g, or c

<400> 204
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aactcgaggg ngggc 795

<210> 205
<211> 1169
<212> DNA
<213> Homo sapiens

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<211> 1088
<212> DNA
<213> Homo sapiens

<400> 206

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aaaaaaaa 1088

<210> 207
<211> 2067
<212> DNA
<213> Homo sapiens

<400> 207
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<210> 208
<211> 2213
<212> DNA
<213> Homo sapiens

<400> 208
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<210> 209
<211> 796
<212> DNA
<213> Homo sapiens

<400> 209
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cacttgtatt ttcccttcag gtttctctgt atgctgtgtt ctctcccaag agtggtcttc 810
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taggaacctt gtccttatct ccctgttccc ctgtatgggg gccagctcct ggcaggtgca 360
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tcaggagttt gagaccagcc tggacaatat ggcgaaaccc catctctatg aaaaattgag 600
aaagtagcca ggcatggtgg catgcacctg tggtcccagc tactttggag gctgaggtgg 660
gcgaatcact ttagyccggg gaggtcgagg atgcagtgag ctgagattgc gccactgaac 720
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aaaaaaaaaa ctcgta 796

<210> 210
<211> 532
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (434)..(434)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (528)..(528)
<223> n equals a,t,g, or c

<400> 210
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ggtamccaat tcgncctata gtgagtcgta ttacaattca ctggccgtcg tttamaaagt 480
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<210> 211
<211> 1575
<212> DNA
<213> Homo sapiens

<400> 211
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ccgccaccgt cgtgtgatgc actttcagcg gcagaagctg atggctgtga ctgaatatat 180
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aaaaaaaaaa ykcga 1575

<210> 212
<211> 1839
<212> DNA
<213> Homo sapiens

<400> 212
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ttgcggacct gatgcgaaac tacgaccccc acctgcggcc ggctgagcgc gactcagatg 240
tggtcaatgt cagcctgaag cttaccttga ccaacctcat ctccctgaat gaacgagagg 300
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acccaaaaga ctacgaaggc ctgtggatat tgagggtgcc atctactatg gtctggcggc 420
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gctccatctc tgtcacctac ttccccttcg attggcagaa ctgttccctc atcttccaat 600
cccagactta cagcaccagt gagatcaact tgcagctgag ccaggargat gggcaagcca 660
ttgagtggat cttcattgac ccggaggctt tcacagagaa tgggragtgg sccatccggc 720
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ttggggaaat acccaaggct tcctgggaga agatagagaa ataaagagac agaggggaaa 1800
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aactcgtag 1839

<210> 213
<211> 1103
<212> DNA

<213> Homo sapiens

<400> 213
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ctgatcatcc cattgtactg caaaaaccag aaaacaacca aatgtttaag tagcatttta 180
agaacagatg aatttaagtt tggacatctg caaatgaggt ggatctagca acaataactg 240
taatggactg tgacaattca atttattctt aattttgatg gttggctatt tgacttctct 300
aaaaatgaga aagagctatt ttaaaatata aagaattttc taatcagttt cagctttgca 360
ggaggtttcc tgcataaatt gggaagtaac actggaaagt aggaatttgg ttagtgaagt 420
gggaagactg tatatttata atttgcatac tacttgcaat tttttgtttt tcatcacttg 480
taataatgga atggaaatgt aagctgtaaa gactctcaaa tataaaatat ttgctacagt 540
gtatatatgg tacataattg cttgttgctt ttaaagttcc ttctgttgtt ctgcttccca 600
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cagaatgttc aatgcatagt tctcaataaa caggaggcag aatttttaat gggtatttct 720
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agttttaatt cgataatttc ttatatatgg atgaacaatt tttgggttta agcttttaat 1020
tcctagaaat tttatacatt aaatctcctg caatttgtca ctctggatgt tactgtttaa 1080
aaaaaaaaaa aaaaaactcg tag 1103

<210> 214
<211> 1175
<212> DNA
<213> Homo sapiens

<400> 214
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cctggctgca ggatgaagct ggccagtggc ttcttggttt tgtggctcag ccttgggggt 180
ggcctggctc agagcgacac gagccctgac acggaggagt cctattcaga ctggggcctt 240
cggcacctcc ggggaagctt tgaatccgtc aatagctact tcgattcttt tctggagctg 300
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agacctggct acaagcccca agagcccaat ggctgcggct cctatttcct gggtctcaag 420
gtaccagaaa gtatggactt gggcattcca gcaatgacaa agtgctgcaa ccagctggat 480
gtctgttatg acacttgcgg tgccaacaaa tatcgctgtg atgcaaaatt ccgatggtgt 540
ctccactcga tctgctctga ccttaagcgg agtctgggct ttgtctccaa agtggaagcc 600
tgtgattccc tggttgacac tgtgttcaac accgtgtgga ccttgggctg ccgccccttt 660
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tgactttctg ctggcccatg tttcagttgc cagtaagctt ctcacattta ataaagtgta 1140
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<210> 215
<211> 572
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (106)..(106)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (110)..(110)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (422)..(422)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (427)..(427)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (548)..(548)
<223> n equals a,t,g, or c

<400> 215
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ggatggcact gggagcagga aaatgaggtg attatgggct gctgctccaa gaagtattgg 180
cagctgttgc tgggggcggc tccctggggt gtcatccctt kcttgctctt gtggatggga 240
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anagaanctg ttgggtcttt cctacctaat ctggtagaaa tgtgagaaca gaggctaatt 480
tggggaaata aatctctcaa ttttttgag ttgctttgtg tgtgtgcgcg cgcgcatgtg 540
tgtgtgtnag gggcagggtc tctaagaaag aa 572

<210> 216
<211> 1350
<212> DNA
<213> Homo sapiens

<400> 216
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acactaaata tagagagggg ctttatttca atcatagagc aacaacaaaa ataatgctta 120
tagctaaact gcctgttcta gaaagcatct gctttttcat gttattccta aatcctcttg 180
tcatactttt gtcattgaac aatgctctcc ctctcgtctt ccatcctcat tcagaatttt 240
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taaccccatt tgtaaacaga tgaaaatttt attttcttat ttcatttata agatggctca 1260
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<210> 217
<211> 947
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (547)..(547)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (555)..(555)
<223> n equals a,t,g, or c

<400> 217
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aaaaaaaaag aatgttactg ggataatgag gaatgatgtc tagctgcctg gtggtggtca 240
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cattatatat ctgctcaata ataagaaaag cttctaccaa aggccaatgc tccagacctc 840
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<210> 218
<211> 1918
<212> DNA
<213> Homo sapiens

<400> 218
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catcagcccc gggcccgcag gaaagaggga gccactcaaa ctaggataat gcacagaggg 180
tgttttcaca aaggtgtgag cgtggtgtcg gataaaggca ggactaatgc agtaacctag 240
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ggtggagatg gatgggaggg gagcaaggag cagatttgga ggagtgcagc atggtcctag 600

gagagcgcca tccctgctgc ccctagctgt gtggccttgg ccaggttacc taacttctct 660
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atgggtgtgc tgcgatttcc tggagaaggt gtagcttaga ggggaactgg ggcaggctga 780
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cctgagcacc tgctcgtgcc gaattcgata tcaagcttat cgataccgtc gacctcga 1918

<210> 219
<211> 1026
<212> DNA
<213> Homo sapiens

<400> 219
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acttccacag tcaagttaca cttcataaaa attctaagct cattttcaga agccacaaat 180
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tctaaaaaac aaacactatt ggccatcgta tgttcaaagg agataacaa tgtttaacct 300
tatatgttgt aggctttcta aacttaattt caaaaaaaga ctaaataaac agtgtcaata 360
tgtctataaa ctcacaacga aaattttcag atcatccaat tgtgtattca ttggccggaa 420
acaatcatgt aaaaaccaca gccctggagc tgggtagcat agaaacaaga agattcagca 480
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gaaaagaata gaaatttgac ctgatctata aaaatgaaag tcgctgggca aagttttggc 600
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<210> 220
<211> 1757
<212> DNA
<213> Homo sapiens

<400> 220
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aaaaaaaaaa aaaaaaa 1757

<210> 221
<211> 752
<212> DNA
<213> Homo sapiens

<400> 221
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tatttattac tatatgtttc ttactggagt gtctctccta ctggacaggg agcaggttta 180
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gatatcaagc ttatcgatac cgtcgacctc ga 752

<210> 222
<211> 1602
<212> DNA
<213> Homo sapiens

<400> 222
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<210> 223
<211> 1873
<212> DNA
<213> Homo sapiens

<400> 223
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ctcaaggaat tattaaatac tcaacatggc gcctcgtgcc gattcgata tcaagcttat 1860
cgataccgtc gac 1873

<210> 224
<211> 941
<212> DNA
<213> Homo sapiens

<400> 224
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ccaccagccc ttgtcaactg actcattttc tgtctgtata gtttatatca tttccagaat 180
gtcatataaa tggaattcta gagtatgttt cctttggagt cgcacctttc acttaatgct 240
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gtatttttca cacaagaaaa aaaaaaaaaa aaaaaaaaaa a 941

<210> 225
<211> 1715
<212> DNA
<213> Homo sapiens

<400> 225
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agagacatat gacaatgaaa aaaaaaaaaa aaaaa 1715

<210> 226
<211> 945
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (295)..(295)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (875)..(875)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (914)..(914)
<223> n equals a,t,g, or c

<400> 226
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aagaaataaa atatcaaacg attggaaaga tgttaatgtg tcatcattca tagaaaacat 180
gattcataga tatacataca cgaatgcttt gaattcataa gtagattcag ccagttgctg 240
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aatttaacca tttttagtag catcaaaaaa ccccccatacc taggaatatg aatttgtagt 360
actatttggg atatgttgat ggatatttat catttcagt ttgggattat tataaagaaa 420
atagccctga acatttgtaa tatatgactt ttggtgaatg tagcattcat ttctgttgat 480
tacaaactca ggggtgaaat tgttgagtcc taagggagct atagatgtat tcaacttcag 540
ctgatatggc taaataaatt tgcgaaaaag attgcatcaa gttatgctcc catcagcaat 600
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ttagccgatt tggctgaagg tgtggtaata tctcattgta gtggccaggc gtggtgctca 720
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<210> 227
<211> 1538
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (112)..(112)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (147)..(147)
<223> n equals a,t,g, or c

<400> 227
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaactcga 1538

<210> 228
<211> 663
<212> DNA
<213> Homo sapiens

<400> 228
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aaa 663

<210> 229
<211> 1816
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (504)..(504)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1405)..(1405)
<223> n equals a,t,g, or c

<400> 229
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cctgatgtgt gaaacaagcg ccttctatgt gcctggggtc gcgcctatca acttccacca 120
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<211> 1495
<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<222> (1198)..(1198)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1266)..(1266)
<223> n equals a,t,g, or c

<400> 233

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<210> 234
<211> 3102
<212> DNA
<213> Homo sapiens

<220>
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<222> (3096)..(3096)
<223> n equals a,t,g, or c

<400> 234
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<211> 865
<212> DNA
<213> Homo sapiens

<400> 235
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<212> DNA
<213> Homo sapiens

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<210> 237
<211> 1899
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1439)..(1439)
<223> n equals a,t,g, or c

<400> 237
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ctccctttg tgttattgtt cagaccaaat tttatcagtg tccttcaccc tttattctac 180
tcacattgtt tatttctata cttaataagt cctgttcact cttcctctat aatatattac 240
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cctactttcc tttcggcatt tggacaatct gtgtttctgg aagtagccca aatgatcttt 360
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aatatcccta ccttggccta caagatctta gatgactggg atctaggaaa cctattcagc 540
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attttccaca tatttttcca gaacattgca tgtagagata ttgtcgatca atcacataac 1860
tagggtcaga aagatgtaac aagggagaaa aaaaaaaaa 1899

<210> 238
<211> 238
<212> DNA
<213> Homo sapiens

<400> 238
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gagaaaggta aaagggcggt tccagagcct gagggcctgt gagtgcagtt tacataactg 120
ccgaaactta aggaagcgtc taaataaaaa gaaacatgtt aacccaaaat ggtttatttg 180
ttttttttttt ttttttttggt ttccagagct catgcaaaca tgcaaaaaaa aaaaaaaa 238

<210> 239
<211> 1459
<212> DNA
<213> Homo sapiens

<400> 239
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gtgttggagt ccatctatct agatgaacta caggtgattaaaggaaatgg cagaacttca 120
ccatgggaga tctacatcac tttgcatcct gccactgcag aggaccagga ttcacagtat 180
gtctgcttca ctctggtgct tcaggtccca gcagagtatc cccatgaggt gccacagatc 240
tctatccgaa atccccgagg actttcagat gaacagatcc acacgatctt acaggtgctg 300
ggccacgtgg ccaaggctgg gctgggcact gccatgctgt atgaactcat tgagaaaggg 360
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ttccaggaga aggaggcctt taccaaaaca ccctgttacc actacttcca ctgccactgc 480
cttgctcggt acatccagca catggagcaa gagctgaagg cacaaggaca ggagcaggaa 540
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taccagaggc agcaggagcg ggggggaatc attgaccttg aggctgagcg aaaccgatac 780
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acttggtggg gggaacaggg aattggggat gggagggagg caataaagat atttggcctt 1440
caaaaaaaaa aaaaaaaaa 1459

<210> 240
<211> 532
<212> DNA
<213> Homo sapiens

<400> 240
actcatataa gaaagcagta cgccgcagta ccggtccgaa ttccgggtcg acccacgcgt 60
ccgcccacgc gtccgcacct cccttggctg tggggagggg cttccatgcc ctgtgtggct 120
ctcgggtggg ctgtcgcacc acactgctct tcctttctct tcacgaatca cgcaagcctc 180
ctagtcagtt ctgatgagat aacctggata tcttggttgc cggtgaagga tttacatgct 240
tattatggtt tttttgttgt tgttgttgtt tggtttttttt tttgatggga gcctcagatc 300
gccgctgttg ctaatcatcc atcttggccc tgcccccaca tttctgcaaa tttaaatatg 360
agatttgtcc ccttaggtgc acagtccaga ccccatccag tccagctcct tttaaagcca 420
catggaaagt cagctgagaa tggtttggga gcccaggtgc gctgtcttcc gccctgccct 480
ctccctgaaa taaagaacag cttgacagaa aaaaaaaaaa aaaagggcgg cc 532

<210> 241
<211> 1084
<212> DNA
<213> Homo sapiens

<400> 241
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ctagtcccgg cattcttcgc tgttttccta actcgcccgc ttgactagcg ccctggaaca 120

gccatttggg tcgtggagtg cgagcacggc cggccaatcg ccgagtcaga gggccaggag 180
gggcgcggcc attcgccgcc cggcccctgc tccgtggctg gttttctccg cgggggcctc 240
gggcggaacc tggagataat gggcagcacc tgggggagcc ctggctgggt gcggctcgct 300
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cgggaccggg attaccgcgc gctctgcgac gtgggcaccg ccatcagctg ttcgcgcgtc 420
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tggtctccaa agctctttcc attgcccagg gagggaaggt tctgagcaat aaagtttctt 1020
agatcaatca aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaa aaaaaaaaac 1080
tcga 1084

<210> 242
<211> 870
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (743)..(743)
<223> n equals a,t,g, or c

<400> 242
ggcacgagca gatattaaat ctcacagaaa ggtgttcctt attaatcttt acaaaattgt 60
catttccccg gtgaagccaa tttacattaa aaataatgtt cagaaaatgc tgctgcctgc 120
tttctctcct cttttaccca ccccttgttc tcccagcaat cttcgccctg tatgtttatg 180
tggacaattt ctattgtaac attctccatt ccattaactctgcctcttcc tctgaggggg 240
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tattgtggca ggattaatag canaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780
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aaaaaaaaaa aaaaaaaaaa aaaaaaactc 870

<210> 243
<211> 2263
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1586)..(1586)
<223> n equals a,t,g, or c

<220>
<221> misc_feature

<222> (2262)..(2262)
<223> n equals a,t,g, or c

<400> 243
aattcggcag agcagcagcg tccggcgaga tgaaggcgct yggggctgtc ctgcttgccc 60
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ccaacaggct ccctggtggc aggagcagag tgctgctgcg gtgctacacc tgcaagtccc 240
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<210> 244
<211> 2566
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2553)..(2553)
<223> n equals a,t,g, or c

<400> 244
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tcgctcagag tccctctcct ccccgacagg accctattca ggtttcccct tcttaaagtc 180

tcccccagtg aggaactctc tcaacaaggg cccactcctg gtgcagtact atagcttttc 240
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actcgagggg gggtcccgta cccaattctc ctnacatgca tcgtat 2566

<210> 245
<211> 1835
<212> DNA
<213> Homo sapiens

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cagggagggc catgatttcc ctcccggggc ccctggtgac caacttgctg cggtttttgt 180
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<211> 661
<212> DNA
<213> Homo sapiens

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a 661

<210> 247
<211> 1378
<212> DNA
<213> Homo sapiens

<400> 247
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<211> 1366
<212> DNA
<213> Homo sapiens

<400> 248
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<210> 249
<211> 715
<212> DNA
<213> Homo sapiens

<400> 249
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taccagtgca gacatggctc cttaagattt tctccttttc cctcacgcgg gtcccaattc 120
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<210> 250
<211> 711
<212> DNA
<213> Homo sapiens

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<210> 251
<211> 875
<212> DNA
<213> Homo sapiens

<400> 251
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<210> 252
<211> 890
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (818)..(819)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (829)..(829)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (859)..(859)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (887)..(887)
<223> n equals a,t,g, or c

<400> 252
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ataggaactg tctcaaaagg atggtggtta ttttaaatat aaatagctaa tgggggtggt 180
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<210> 253
<211> 1050
<212> DNA
<213> Homo sapiens

<400> 253
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<210> 254
<211> 1161
<212> DNA
<213> Homo sapiens

<400> 254
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aaaaaaactc gacggcacgt a 1161

<210> 255
<211> 1002
<212> DNA
<213> Homo sapiens

<400> 255
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<210> 256
<211> 515
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (3)..(4)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (7)..(7)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (20)..(20)
<223> n equals a,t,g, or c

<400> 256
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aagtgaaagg ataaaaaaaa aaaaaaaaaa ctcga 515

<210> 257
<211> 1113
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (349)..(349)
<223> n equals a,t,g, or c

<400> 257
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aagaagacaa aaaaaaaaaa aaaaaacctc gta 1113

<210> 258

<211> 1668
<212> DNA
<213> Homo sapiens

<400> 258
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cccaaggttt tgttccattt ctcaattcta gtctgtgaaa ttgargtctg atgaccactc 240
ttaagrgggc tgttcattag ggkgcgggct gggcattatg agtgtgtttt tatgagkca 300
gtggaaggag gggcttgttg tgagcagtgc atgagaaaaa cggcttggct ttgcttcttt 360
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agtgaatgca aggcagctgg tacctttcag gtagtagttg aattcaggta gtattgttca 540
gttttttttt ttcccttcat gttctaagac cagctgagag gcaaagttgt accactgagc 600
tctagttgtt gttacctaaa aagsccttgt tttaaatttc tgtgatacct aagaatttca 660
aatctgggtt gtcatggatt ctttattctt tttttctccc ttaaaagtt acattttaga 720
tgaaatcccc tttyttaaaa tgggcaaagc aataattcta catcatttct ccccttccct 780
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tgkcatggaa taatgtgact ggtaaataat tcatttttttc ttgaatttat ttatagacct 1440
gatagcaaga actggcagta ccaagaaact atcaagaaag gagatctgct actaaacaga 1500
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taaaataaat actgcattgt tgttaaaaaa aaaaaaaaaa aactcgta 1668

<210> 259
<211> 575
<212> DNA
<213> Homo sapiens

<400> 259
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agaccctgtg ctccatggaa gaagccatca atgagaggat ccaggaggtc gccggctccc 180
taatatttag ggcaataagc agcattggcc tggagtgcca gagcgtcacc tccaggggg 240
acctggctac ttgccccga ggcttcgccg tcaccggctg cacttgtggc tccgcctgtg 300
gctcgtggga tgtgcgcgcc gagaccacat gtcactgcca gtgcgcgggc atggactgga 360
ccggagcgcg ctgctgtcgt gtgcagccct gaggtcgcgc gcagcgcgtg cacagcgcgg 420
gcggaggcgg ctccaggtcc ggaggggttg cgggggagct ggaaataaac ctggagatga 480
tgatgatgat gatgatggaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaa 575

<210> 260
<211> 1532
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1412)..(1412)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1433)..(1433)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1446)..(1446)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1505)..(1505)
<223> n equals a,t,g, or c

<400> 260
gctggagcgg tttcattgcc tacattccgc attggaaaat agaagcaggc acaatgaagg 60
gaaaaggccg aggcatcagc gtgtgaagac cgcaaagacg atcccgagta cagttgtgaa 120
cagcattgct gctaggctcc tcctgcagat catctgaaat gaacctctct tattgatttt 180
tattggccta gagccaggag tactgcattc agttgacttt cagggtaaaa agaaaacagt 240
cctggttgtt gtcatcataa acatatggac cagtgtgatg gtgaaatgag atgaggctcc 300
gcaatggaac tgtagccact gctttagcat ttatcacttc ctccttact ttgtcttggt 360
atactacatg gcaaaatggg aaaggtaagg aaaatgactc ggaaaatgtg catgaaatgt 420
actagggttt ttgcttggtt aaggtgccta aatgcttagg tcaaataccc tggcaatctg 480
catgttacat gctatctgct ggcagtttct ttctgatata aaaatgaaac agtattcttg 540
gacagaggac acagaatttc taattccagt ggggcttgtt ttgctttcag tttcttataa 600
ttgtacttgg agaaacagat actgatcagt gttttatatt ctaaaagaca gccaagttga 660
ataataaaga ctttcgtttt ggcattttgt tctttttact aaacataatt aagtgtttaa 720
taagcttcct tgtaccgagt gttgcataaa acacttaaaa ggacacaatt agtgccttcg 780
tgagatttac atgctaatta tgctaaygat tgggtgctat gtagttaatg atttaaactg 840
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gattggaata ttaaaacatt ttttaaaaat taattatgkt tagactgktg aaccgkgtta 960
tataatttta ggataawgga ttwatttgct ttttttttt ttaagagaaa ctacttgaag 1020
taaattccta cccatacttc ttacttgtct cctttccttt gattaatcta aggaatgktg 1080
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caactgaaaa gattgctttg taaccttatt tttttctgat gtgtgtttac atccatgtct 1260
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taagtgaaaa catgctctgt gctttgaaac aaaaaaaaaa aaaaaaaact cgaggggggg 1380
cccggtaccc aattcgccct atagtgagtc gnattacaat tcactggccg cgntttacaa 1440
cgtcgngact gggaaaaccc tggcgttacc caacttaatc gccttgcagc acatcccccc 1500
ttcgncagct ggcgtaatag cgaagaggcc cg 1532

<210> 261
<211> 1192
<212> DNA
<213> Homo sapiens

<400> 261
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gagcagtgtg cttgtggact ctcacatctg cagccatgag cagaggcgac aactgcacgg 120
atctactcgc actgggaatc ccctccataa cccaggcctg gggactgtgg gtcctcttag 180
gggctgtgac gctgctattt ctcatctcgc tggctgcaca cttgtcccag tggaccaggg 240

gccggagcag gagccatccg gggcagggac gctctggaga gtctgtggaa gaggtcccgc 300
tgtatgggaa cctgcattat ctacagacag gacggctgtc tcaagaccca gagccagacc 360
agcaggatcc aactcttgga ggccdgcca gggctgcaga ggaggtgatg tgctatacca 420
gcctgcagct gcggcctcct cagggtcgga tccccggtcc tggaaccccc gtcaagtact 480
cggaggtggt gctggactct gagccaaagt cccaggcctc gggccccgag ccggagctct 540
atgcctcagt atgtgcccag acccgcaggg cccgggcctc cttcccggat caggctatg 600
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cccagccccc cgtagcaggg gcatgactgt ttcccaacca gcacccaaag acgggcgcca 720
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taaccagatc ctccccaccc ccgctccctc atagtctacc cccacgcctc agtgtctcct 960
caggcacagg aagtgggcgg tgggggaggg gtaagggcct gacagtgggtgggtgggtat 1020
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cctggctttt gacctaagaa ccctagcagg agaatacagt ctccatcctg ctgtctctgt 1140
cctgtcccca agttttcaaa taaaactttc caaaaagtga aaaaaaaaaa aa 1192

<210> 262
<211> 1559
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1445)..(1445)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1551)..(1551)
<223> n equals a,t,g, or c

<400> 262
atccagcagt ggggagacag cgtgctgggc aggcgctgccgagaccttct cctgcagctc 60
tacctacagc ggccggagct gcgggtgccc gtgcctgagg tcctactgca cagcgaaggg 120
gctgccagca gcagcgtctg caagctggac ggactcatcc accgcttcat cacgctcctt 180
gcggacacca gcgactcccg ggcgttggag aaccgagggg cggatgccag catggcctgc 240
cggaagctgg cggtggcgca cccgctgctg ctgctcaggc acctgcccat gatcgcggcg 300
ctcctgcacg gccgcaccca cctcaacttc caggagttcc ggcagcagaa ccacctgagc 360
tgcttcctgc acgtgctggg cctgctggag ctgctgcagc cgcacgtgtt ccgcagcgag 420
caccaggggg cgctgtggga ctgccttctg tccttcatcc gcctgctgct gaattacagg 480
aagtcctccc gccatctggc tgccttcatc aacaagtttg tgcagttcat ccataagtac 540
attacctaca atgccccagc agccatctcc ttcctgcaga agcacgccga cccgctccac 600
gacctgtcct tcgacaacag tgacctggtg atgctgaaat ccctccttgc agggctcagc 660
ctgcccagca gggacgacag gaccgaccga ggcctggacg aagagggcga ggaggagagc 720
tcagccggct ccttgccccct ggtcagcgtc tccctgttca cccctctgac cgcggccgag 780
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gccctgcgct ccatgcagaa cagccccagc attgcagccg ctttcctgcc cacgttcatg 1020
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tacgctctcc tgtgccaaga gcacgcggct gtgctgctcc accgggcctt cctggtgggc 1140
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gaggccgtga tgtgagcctg tggcagccga ccccccctcca agccccggcc cgtcccgtcc 1260
ccggggatcc tcgaggcaaa gcccaggaag cgtgggcgtt gctggtctgt ccgaggaggt 1320
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ctccgggccg gccgctggca tcaggggccg tccagcaagc cctcattcac cttctgggcc 1440

acagncctgc gcggagcggc ggatcccccc gggcatggcc tgggctggtt ttgatgaaa 1500
cgacctgaac tgtcaaaaaa aaaaaaaaaa aaacccgrgg gggggcccgg nacccaatt 1559

<210> 263
<211> 1021
<212> DNA
<213> Homo sapiens

<400> 263
gtaattcctt aaacatacca tctgtcacag ttaatctaga tttgtaaata ggtagtaatt 60
tatagaattt ttaaagcgta aaatccggta atattaaaag ataggtaaac ctaggcctgg 120
aaagctgtta tttggctaaa attgcacagg aggccatgaa cagaggcaag tgccccagag 180
actccacttt cattcctaac tgttctcaaa ttaatgctca tgattgagta ttctcagtgc 240
aactcgtaga gtttgataag taaaagttac atgcccctgt tttcctagca tgaattcac 300
tgttatcaaa gacaagaggc agaccattca ttcattctca aaacactgaa tgccattctg 360
tgcctagtgc tatacaaggc atgggagatt cagtgtgaat aagtctttgc tctccaccta 420
acaagggaca gttttaatta tagattgtct tcctattaag tatgagtttt agtaggcatt 480
aaaaatcgta attagtttga taatatgaga cccaacccta acttgccaga agagtaatca 540
gttcatgaac cattgatatt tcctgtatat ttcatgaatg tgacttcagt cattctagtg 600
ttaatactgt ggaatgtcat tggtgtagca acgtgggttc accaaaacac ctttttatac 660
aaaagacaga tgygtgaatt aaagagatta aaggatagag tattctgtt ctttgttttg 720
atttggcttt taggtattaa aataaggccc agatcactaa aaattagtaa cagagggaga 780
cctctaatag atttaaagtc agttaattct ctctgaaatt tgatgttttc ttctataaag 840
aataactcta aaataggcat cttcccagga ctttccattc tcaggaaaag acctagttac 900
gtataaaaaa taacttctac tgctttatgt agtcatatag gtctgcctaa aataagaatt 960
tgtatttaat aaataccaaa attttcaaat ggtaaaaaaa aaaaaaaaaa aaaggggggg 1020
c 1021

<210> 264
<211> 1024
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)..(5)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (14)..(14)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (32)..(32)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (713)..(713)
<223> n equals a,t,g, or c

<400> 264
gtggntcccc cggntggcca ggattcggca cngggcgctg gccgccttcc agctgctcaa 60
cctgactggg caacgtgggg ctcttcctgc gctcggatcc cagcatccgt ggcgtgatgc 120
tggccggccg cggtctgggc cagggctggg cttactgcta ccaatgccaa agccaggtgc 180

cgccacgcag cggacactgc tctgcctgcc gcgtctgcat cctgcgtcgg gaccaccact 240
gccgmctgct gggccgctgc gtgggcttcg gcaactaccg gcccttcctg tgcctgctgc 300
ttcatgccgc cggcgtcctg ctccacgtct ctgtgctgct gggccctgca ctgtcggccc 360
tgctgcgagc ccacacgccc ctccacatgg ctgccctcct cctgcttccc tggctcatgt 420
tgctcacagg cagagtgtct ctggcacagt ttgccttggc cttcgtgacg gacacgtgcg 480
tggcgggtgc gctgctgtgc ggggctkggc tgctcttcca tgggatgctg ctgctgcggg 540
gccagaccac atgggagtgg gctcggggcc agcactccta tgacctgggt ccctgccaca 600
acctgcaggc agccctgggg ccccgctggg ccctcgtctg gctctggccc ttcctggcct 660
ccccattgcc tggggatggg atcaccttcc agaccacagc agatgtggga canacagcct 720
cctgactcca ggaagagcca gagctgtgca gggaggaagg ggtgagaggg gggcccccac 870
acctagactc agtaaggaag tcgggttgga ccttaacatc tgcattggac aactccaccc 840
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tttgccaggt taataaagca ctgacttgct aaaaaaaaaa aaaaaaaaaa aaagggcggc 1020
cgct 1024

<210> 265
<211> 621
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (488)..(488)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (536)..(536)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (539)..(539)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (548)..(548)
<223> n equals a,t,g, or c

<400> 265
acagagtctc gctctgttgt ccagcctggg caacagagaa aacaaaaagg aaaacaaatg 60
atgaaggtct gcagaaactg aaacccagac atgtgtctgc cccctctatg tgggcatggt 120
tttgccagtg cttctaagtg caggagaaca tgtcacctga ggctagtttt gcattcaggt 180
ccctggcttc gtttcttgtt ggtatgcctc cccagatcgt ccttcctga tccatgtgac 240
cagactgtat ttgttgggac tgtcgcagat cttggcttct tacagttctt cctgtccaaa 300
ctccatcctg tccctcagga acgggggaa aattctccga atgtttttgg ttttttggct 360
gcttggaatt tacttctgcc acctgctggt catcactgtc ctcactaagt ggattctggc 420
tccccgtac ctcatggctc aaactaccac tcctcagtcg ctatattaaa gcttatattt 480
tgctgganta ctgctaaata caaaagaaag tccaatatgt ttccattctg tagggnaana 540
gggatgcngg cttaaaattc tgagcaaggg ttttttggca gtgcagtgtt ggcactatgg 600
aaaacccttg gtcccccgga a 621

<210> 266
<211> 884
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (307)..(307)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (356)..(356)
<223> n equals a,t,g, or c

<400> 266
tcgacccacg cgtccgccgg atggttgcca cccctcctgc tgtaggatgg aagcagccat 60
ggagtgggag ggaggcgcaa taagacaccc ctccacagag cttggcatca tgggaagctg 120
gttctacctc ttcctggctc ctttgtttaa aggcctggct gggagccttc cttttgggtg 180
tctttctctt ctccaaccaa cagaaaagac tgctcttcaa agtggagggt cttcatgaaa 240
cacagctgcc aggagcccag gcacaggctg ggggcctgga aaaaggaggg cacacaggag 300
gagggangga gctggtaggg gagatgctgg gctttaccta agtctcgaaa caaggnggca 360
gaataggcag aggcctctcc gttccaggcc cattttgac aratggcggg acggaaatgc 420
aatagaccag cctgcaaraa aracatgtgt tttgatgaca ggcagtgtgg ccgggtggaa 480
caagcacagg ccttggaatc ccaatggact gaatcagaac cctaggcctg ccatctgtca 540
gccgggtgac ctgggtcaat tttagcctct aaaagcctca gtctccttat ctgcaaaatg 600
aggcttgtga tacctgtttt gaagggttgc tgagaaaatt aaagataagg gtatccaaaa 660
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tggttagtac ctggatgggg agagtatgga aaacatacct gcccgcagtt ggagttggac 780
tctgtcttaa cagtagcgtg gcacacagaa ggcactcagt aaatacttgt tgaataaatg 840
aagtagcgat ttggtgtgaa aaaaaaaaaa aaaaaaaaaa aaac 884

<210> 267
<211> 1231
<212> DNA
<213> Homo sapiens

<400> 267
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tgggggacaa attggggatg gccagagccc cgagtgtcgc cttggctcaa ctgtggttga 120
tttgtctgtg cccggaaagt ttggcatcat tcgtccaggc tgtgccctgg aaagtactac 180
agccatcctc caacagaagt acggactgct cccctcacat gcgtcctacc tgtgaaactc 240
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gggaaaggat gtatttattt gtattttcat atatcagcca aaagctgaat ggaaaagtta 480
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gaaaagtaat taaataacag attagaatct agtgagagcc tcctctctgg tgggtggtgg 600
catttaaggt caaaccagcc agaagtgctg gtgctgttta aaaagtctca ggtggctgcg 660
tgtggtggct catgcctgta atcccaacat tctgggaggc ccaggcggga gaactgttg 720
agccccagga gttcagaatc agcctgggca acatagcaat actccgtctc ataaaaatta 780
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gtaattgctc gcagggagag cagtcttttt ggtgtaatag tgggatgtct gcttagttgg 960
caggggttca gtccaaatgg aagaatattg ggaaataaac ctccactatc ctttatagcc 1020
agggactttt ttcctattta ttcataaaat aaattatagt taattatacc cataacacct 1080
ttatttaaat ccagtgttct ccgcagcctt ttgtctattt atatgtgtaccaagtgttaa 1140
acataattat tattgggcat ttgaactttg tttttcttta aagaaatgct gctattaaac 1200
atatttgtaa atggaaaaaa aaaaaaaaaa a 1231

<210> 268
<211> 1223
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1204)..(1204)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1206)..(1206)
<223> n equals a,t,g, or c

<400> 268
gcttagctcg aaattaaccc tcactaaagg gaacaaaagc tggagctcca ccgcggtggc 60
ggccgctcta gaactagtgg atcccccggg ctgywkgaattcggcacgag ctgctgtctg 120
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gggagcagct ctgtgcccaa ggctggcaga cacctgagat agctctcata gactcccata 300
agctcctccg aagcatcatc ctcctgctga tgggcagtga cattctctca actcagaaag 360
cagctgtgga gacatcgttt ttggactatg gtgaaaatct ggtacaaaaa tggcaggttc 420
tttcagaggt gctgagctgc tcagagaagc tggtctgcca cctgggccgc ctgggtagtg 480
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ttggtggggt gactcagcac ctggactctg tgaagaaggt ccacctgcag aaggggaagc 720
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<211> 1494
<212> DNA
<213> Homo sapiens

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<211> 1216
<212> DNA
<213> Homo sapiens

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<211> 859
<212> DNA
<213> Homo sapiens

<220>
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<222> (27)..(27)
<223> n equals a,t,g, or c

<400> 271
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<210> 272
<211> 1238
<212> DNA
<213> Homo sapiens

<400> 272
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<211> 1189
<212> DNA
<213> Homo sapiens

<400> 273
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<210> 274
<211> 496
<212> DNA
<213> Homo sapiens

<400> 274
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<210> 275
<211> 3153
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)..(1)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (2584)..(2584)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (2590)..(2590)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (3153)..(3153)
<223> n equals a,t,g, or c

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<210> 276
<211> 686
<212> DNA
<213> Homo sapiens

<400> 276
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<210> 277
<211> 2352
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1)
<223> n equals a,t,g, or c

<400> 277
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gggctggacc ctgactggct gcagtgccct ccctgggacc tcccagtcc tgggggccta 2160

cgccgtagac aacacgtgtg tagtcaggag ccgggacgtc agcactacag gcagcaccag 2220
cgaagaggcc gtgacagccg ttgccatctg ctgccggagc cggcacctgg cgcaggcctc 2280
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ggctgagctt ta 2352

<210> 278
<211> 1105
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (797)..(797)
<223> n equals a,t,g, or c

<400> 278
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aaatgcacag aacataaaat ttgccattag taacactgag tacattcaca gtgtcgtgca 120
accatcagca ctgtctagcg ccagaacttt ttcatcaccc caaagggaaa ccccgtatcc 180
atgaaggact cactccccat tcgccctctc cagcccttgg cagccaccag aatgctttct 240
gtctccataa attcatttt aataagtgca attctgtgtg actttaaaat aaataaacat 300
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gtargcctcc ggacgggcag gagttgaagg ggcgtggatg tgccgccctc tcctcccctt 420
gctctttcct tggggtcact gcctgagtat ccctcttngc aaatggcccc aaataatgtc 480
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aaaaaaaaaa aaaaagggcg gccgc 1105

<210> 279
<211> 2496
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2340)..(2340)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (2373)..(2373)
<223> n equals a,t,g, or c

<400> 279
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gggtccctag aggccggttc ctggtctgtg ctgctctcct ggaagccatg gncaggcag 180
agctcagggc gatccccagg tgagggcagc ggctctgcct gggattccac cgcagtacaa 240
ccgggtagat gcggggtgga gaagaaagga tgttgcctgc actgctcgcc aatagcaccc 300

tgagaggcta catttgcaga agcagcagca gcagaagaca cagcgccggt ccaggaggcg 360
gctcgagctg ttcgtaaagt cgcccgacag ctttttctcc gtagtatgcg agttgacaaa 420
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<210> 280
<211> 549
<212> DNA
<213> Homo sapiens

<400> 280
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ctatcaatgc agcaattgga gtcactacgt caccggtgct gccttctctg atccagcttc 120
ttggaagaaa ttttatttttg tttatcatct ttggcaccat ggaagaaatg cagaacaaag 180
ctgtggtttt ctttgtgttt tatttgtgga gtgcaattga aattttcagg tactctttct 240
acatgctgac gtgcattgac atggattgga aggtgctcac atggcttcgt tacactttgt 300
ggattccctt atatccactg gggatgtttg gcggaagctg tctcagtgat tcagtccatt 360
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gttagatttt ccttttttct tcagatttat cttataatga tatttttagg gttatacata 480
aattttcgtc acctttataa acagcgcaga cggcgctatg gacaaaaaaa aaaaaaaaaa 540
aaaaaaaaa 549

<210> 281
<211> 1001

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (919)..(919)
<223> n equals a,t,g, or c

<400> 281
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tggatattta caaatatgac agtcagattc ttttcatttg gaaaaggtaa aactccgaaa 180
cagtttttt attttaact tttaatcctt gttttcacct catcctgctt atattaaatt 240
tctacacacc tcaaccttct accacgggat acagattcaa tggttgacac tttttatgct 300
attggacttg tgatgcgact ttgccaatcc gtatctctcc tggaactgct gcacatatat 360
gttggcattg agtcaaacca tcttctccca aggtttttgc agctcaaga aagaataatc 420
atccttttg tggtgatcac cagtcaagag gaagtccaag agaaatatgt ggtgtgtgtt 480
ttattcgtct tttggaatct attggatatg gttaggtaca cttatagcat gttatcagtc 540
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cctttgtgtg ttcttgctga agcatttgcc atctatcaat cgctgcctta ttttgaatca 660
tttggcactt attccaccaa gctgcccttt gacttatcca tctatttccc atatgtgctg 720
aaaatatatc tcatgatgct ctttataggt atgtatttta cctacagtca tctatactca 780
gaaagaagag acatcctcgg aatctttccc attaaaaaaa gaagatgtg aagtacagca 840
ttccagtgtg acacgagaaa agacaggctg tggattcagt gcagtaaata aaacacagga 900
agtattctgg tggaaaaana aaaaaaaaaa aaaaaaaaar aaraaaaaaa aawaaaaaaa 960
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 1001

<210> 282
<211> 1432
<212> DNA
<213> Homo sapiens

<400> 282
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ccgaaagaat gttgtggctg ctctttttttc tggtgactgc cattcatgct gaactctgtc 120
aaccaggtgc agaaaatgct tttaaagtga gacttagtatcagaacagct ctgggagata 180
aagcatatgc ctgggatacc aatgaagaat acctcttcaa agcgatggta gctttctcca 240
tgagaaaagt tcccaacaga gaagcaacag aaatttccca tgtcctactt tgcaatgtaa 300
cccagagggt atcattctgg tttgtggtta cagacccttc aaaaaatcac acccttcctg 360
ctgttgaggt gcaatcagcc ataagaatga acaagaaccg gatcaacaat gccttctttc 420
taaatgacca aactctggaa tttttaaaaa tcccttccac acttgcacca cccatggacc 480
catctgtgcc catctggatt attatatttg gtgtgatatt ttgcatcatc atagttgcaa 540
ttgcactact gattttatca gggatctggc aacgtagaag aaagaacaaa gaaccatctg 600
aagtggatga cgctgaagat aagtgtgaaa acatgatcac aattgaaaat ggcatcccct 660
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<210> 283
<211> 1048
<212> DNA
<213> Homo sapiens

<400> 283
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cttgggaggc cgaggtggcc agatcattga ggtcaggagt ttgaaaccag cctggccaac 180
atggtgaaac cccgtctcta ctaaaaatac aaaaattagc caggtgtgtg gggcgtgcgc 240
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atttctgttt ttgaaaaaaa aaaaaaaa 1048

<210> 284
<211> 1021
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (971)..(971)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1004)..(1004)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1008)..(1008)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1010)..(1010)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1018)..(1018)
<223> n equals a,t,g, or c

<400> 284

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t 1021

<210> 285
<211> 1492
<212> DNA
<213> Homo sapiens

<400> 285
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gtgtgcccca tgcacctgtg catctgtgct gtgtgggtgt tggtggccct tttgcgcatg 180
catggggcat cccctgccca gaccagcggg acaaggagcg ggaacgcgg ctgcaggagg 240
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ag 1492

<210> 286
<211> 1543
<212> DNA
<213> Homo sapiens

<400> 286

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atgtccacca tgcttataca ggacactaca cactgtctcg acaagccatg ttctttcctc 180
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tgttccctct ttcaaagggg caaaaatatc attttggtat gataactgac tttctattta 420
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acaagtttat aaagagtcat tgttaaaaaa aaaaaaaaaa aaa 1543

<210> 287
<211> 954
<212> DNA
<213> Homo sapiens

<400> 287
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ctcctctccc cggtggaggc ccagcaggcc acggagcatc gcctgaagcc gtggctggtg 180
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<211> 2784
<212> DNA
<213> Homo sapiens

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<211> 943
<212> DNA
<213> Homo sapiens

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<210> 290
<211> 887
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (303)..(303)
<223> n equals a,t,g, or c

<400> 290
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<210> 291
<211> 1478
<212> DNA
<213> Homo sapiens

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aactacctta cattaattaa aaaaaaaaaa aaaaaaaa 1478

<210> 292
<211> 1780
<212> DNA
<213> Homo sapiens

<400> 292
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<210> 293
<211> 1984
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (598)..(598)
<223> n equals a,t,g, or c

<400> 293
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aaaa 1984

<210> 294
<211> 1222
<212> DNA
<213> Homo sapiens

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<210> 295
<211> 1815
<212> DNA
<213> Homo sapiens

<400> 295
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<210> 296
<211> 1346
<212> DNA
<213> Homo sapiens

<400> 296
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<210> 297
<211> 1262
<212> DNA
<213> Homo sapiens

<400> 297
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<210> 298
<211> 989
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (955)..(955)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (979)..(979)
<223> n equals a,t,g, or c

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<210> 299
<211> 632
<212> DNA
<213> Homo sapiens

<400> 299
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aggcccagag gtggaaaaaa aaaaaaaaaa aa 632

<210> 300
<211> 2572
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2527)..(2527)
<223> n equals a,t,g, or c

<400> 300
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<210> 301
<211> 1488
<212> DNA
<213> Homo sapiens

<400> 301
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ttgaggaggg ccatctggct gtgtactaca ggggaggagc tttctaact agccccagtg 240
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<210> 302
<211> 609
<212> DNA
<213> Homo sapiens

<400> 302
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aacactggcc ctcagagcag gacccagaga aggcctgggg cgcccgtgtg gtggagcctc 180
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gctccagggg ccatcactgc ccccgccctg tcccaaggcc caggctgttg ggactgggca 540
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aaaaaaaaa 609

<210> 303
<211> 612
<212> DNA
<213> Homo sapiens

<400> 303
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aagggcggcc gc 612

<210> 304

<211> 613
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (25)..(25)
<223> n equals a,t,g, or c

<400> 304
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cgcaccaccc tgagttggat cctctgtgcg ccacccctga gttggatcca gggctagctg 180
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tgcctacaac ggagacaact gcttcaaccc catgcgctgc ccggctatgg ttgcctactg 360
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acaaagctct cga 613

<210> 305
<211> 1015
<212> DNA
<213> Homo sapiens

<400> 305
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taagtgtgct gctatgcagg gtgagtgaat tactcaataa ctaaataatt gtgacataat 180
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<210> 306
<211> 1022
<212> DNA
<213> Homo sapiens

<400> 306
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cg 1022

<210> 307
<211> 1766
<212> DNA
<213> Homo sapiens

<220>
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<222> (14)..(14)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (36)..(36)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1750)..(1750)
<223> n equals a,t,g, or c

<400> 307
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<210> 308
<211> 815
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (406)..(406)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (794)..(794)
<223> n equals a,t,g, or c

<400> 308
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tgtcttcttc ttcttcttct tcttcttctt cttcttcttt ggtccttaag tgaaataaag 180
actctaaaac taatttgtat attatcagcc agagatgcgg atggcagtcg agccaaatcg 240
catggctttc agatcaggta ttctgcacat tcattccaag gtcatagatt tttaaaagga 300
cctggatttg aagagatggc aaatgrtgag ccatcagaaa acttaatttg gaaaacatgt 360
atgtagccag tgtggatatt gtggcctctc tcaagacaca ttgacnactg tagacytcat 420
tcagtccagt gtgagtattt tggagtaggt tggatgtaga ttttgttttt atcgttgatt 480
tgtaccgaca gaaatagaca tttcatcatg taaaattcct gttattctgg aaaaacctat 540
tgttttgatc cttcttgttt tcctgacttg gaagtatcct ttcaaaaaaa ctcttagat 600
atctaggtct aaaaagcact tcatgagatg ctaaagctga cccactggtt gaaaatgttg 660
accctatcct gttatttaaa tgtgaacatt tattgtacat tcagtgagtt atagtgttaa 720
tagtcttgtg ctatgcagca ggtgtaaaaa ttaataaata tatttttaa taaaaaaaaa 780
aaaaaaaaaa attnctgcgg tccgcaaggg aattc 815

<210> 309
<211> 633
<212> DNA
<213> Homo sapiens

<400> 309
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ggtgcccttc ttgtttattg ttggcatgga tgatcaaagc tggaagagtg aattctatgc 300
tcagatagcc tctgaaaggc tacaagctca tgggaaagaa agaccccaga taatctgtta 360
cccagaaact ggtcactgta ttgacccacc ttattttcct ccttctagag cttctgtgca 420
cgctgttttg ggtgaggcaa tattctatgg aggtgagcca aaggctcact caaaggcaca 480
ggtagatgcc tggcagcaaa ttcaaacttt cttccataaa catctcaatggtaaaaaatc 540
tgtcaagcac agcaaaatat aacattgtag ccacagacca gataccatta ataaaaatcc 600
tattcataaa aaaaaaaaaa aaaaaaactc gta 633

<210> 310
<211> 989
<212> DNA
<213> Homo sapiens

<400> 310
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ctcttccacg ggaccctgca gctgggccag gccctcaacg gtgtgtacag gaccacggag 180
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aggagcgcct ggctgggccc tgcctaccga gaatttgagg tcttaaaggc tcacgctgac 480
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gtggcacagc agcatcggct gcgacagatc caggagaggt gagcctggca ggggtttggc 600
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ctgagccaca tctccctccc cagactccac acagcggcgc tcccagcctg aatctgcctg 720
gatggaactg aggaccaatc atgctgcaag gaacacttcc acgccccgtg aggcccctgt 780
gcagggagga gctgcctgtt cactgggatc agccagggcg ccgggcccca cttctgagca 840
cagagcagag acagacgcag gcggggacaa aggcagagga tgtagcccca ttggggaggg 900
gtggaggaag gacatgtacc ctttcatgcc tacacacccc tcattaaagc agagtcgtgg 960
catctcaaaa aaaaaaaaaa aaaaaaaaa 989

<210> 311
<211> 1524
<212> DNA
<213> Homo sapiens

<400> 311
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cccctccacc tgtggatgaa gagccagagt cctctgaggt cgatgctgct ggtcggtggc 120
ctggtgtctg tgttagcaga acatctccaa caccccccaga gtcggcaacc accgttaagt 180
cacttatcaa gtcatttgac ttgggacgcc caggtggagc tggacagaat atttctgtcc 240
ataagacccc cagaagtccc ctaagtggga taccagtgag gactgctcca gcagctgctg 300
tctctccaat gcagaggcat tcgacttaca gcagtgtgcg gccagccagc agaggggtga 360
ctcaacgctt ggaccttcct gaccttcccc tctcagatat tctaaaggga aggactgaga 420
ccctgaagcc agacccccac ctccgcaaga gtccctcact agagtcactg agcagacccc 480
cgtctctggg ctttggggac acaagactgc tgagtgcttc cacccgggca tggaaaccac 540
aaagcaaact cagtgtggaa agaaaagacc ctctggcggc cttggcccgg gaatacggtg 600
gttccaagcg caatgctcta ctgaaatggt gccagaagaa gacacaaggt tatgcgaaga 660
ggaatctctt gttggcattt gaagcggctg aaagtgtagg catcaaaccc agcctggaac 720
tcagcgagat gctgtacaca gaccggcccg actggcagag tgtgatgcag tacgtggccc 780
aaatctacaa gtactttgag acgtaaccct ggagggcctg gggcagccac cattgccacc 840
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cagtgagcta tgagcatacc actgcactcc agcctgtgtg aaagagccag accctgtctc 1380
aaaaaaatga taaaacccaa aactttgccc ttgtgaaccc tcccttcccc cctccccccc 1440
cccaaaaaaa aacaacaaaa cacaaaaaat aaacatttgt tccagggcaa cctggaaaaa 1500
aaaaaaaaaa aaaaaaaaaa aaaa 1524

<210> 312
<211> 770
<212> DNA
<213> Homo sapiens

<400> 312
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ttggctctat ttcatgctaa mccagttttt tttgtttgtt tgtttccact ttataacata 120
tggatttcta tgccacacta cccgtaactt tgaaaaataa ctttaggctg cagttttcag 180
caaacaggac agtccttagc tgccacatag ctcaacataa agtgcacaaa aaacttcagg 240
gtgggacagt gaatcataaa ttcccaaact gacgtgtgtc tacagaacag atgagaactg 300
ttactcagtg tgtatcttag gagcttttct gcagtttcct cacactccgt cacatttaaa 360
atgtggacac ttgtttattt cattagggag gaggcgaggg actaatgtcc accctgccca 420
gagtatttcg aatatcctta gtgaagagga ggaaagcaag aattctgttc taaaggccac 480
caggctaagc actagaatcg cattctcttc ctgtttgtat gtttatgtca gcagttgcca 540
cagatgtgtt aatattgttt tcctggtaga gaattaaggt gttcgttcat ctcaaaacaa 600
atcccgtaac ctgcacacaa aactccagct tcctaatgca aagagaagag aaattgatt 660
ataagctgct tgatattctt tttattccca gcccctcaaa ataccagcct ggaagtctgg 720
acattactaa aatttaccag tctcaaaaaa aaaaaaaaaa aaaactcgag 770

<210> 313
<211> 843
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)..(2)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (19)..(19)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (87)..(87)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (89)..(89)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (525)..(525)
<223> n equals a,t,g, or c

<400> 313
cnagggataa ccccaaagnt gggaaataaa ccctcaatta aaggggaac caaaaagctg 60
ggaagttccc ccccgcggtg gcggccngnt ctaggaacta gtggaatccc ccggggctgc 120
agggaattcg gcacggagtg ggaatgttgt ttgtatgata ctatttccac aawatgcatt 180
gagacttggt ktgtggccta ggacatggtc aattctttyt aaatattccg tgaatttctt 240
tagtgcatat tctccgatgg gggctgtggg gacagagttc taaatatgcc cattagatta 300

aatctcttca ttctgttgct cacatcttct atatccttat taactgtca atctcttcaa 360
gagaggtgtt attaaaatct ctcactgtat gtgtcacttt gcccttaaaa ttctgatgat 420
ttgctttata aatggttata accattttcc aggaagaaca ttaaagaact ttccattggc 480
attatccagt ttccctcaaa atactggttt tttttatttt ggctnctaag cagctatgaa 540
tccagtttct cagaagccct tgtctcaagg catttgtttc cagattacct tgttagcatc 600
cacactatgg gctattttag aaaaacaaaa aaagtatcaa aatcatatag ctatgatttt 660
cctgtgcttg aaggagcctt aaagctcatc tagtccagcc agtatttgtt catccaaatt 720
ctgccaagaa atctctattg tcaagatatt ctttaccatc tttgggacat tctcattatt 780
agaaacaaat cctaagaaga aattctgcca takacaaccc atccgttctt taaaaaaaaa 840
aaa 843

<210> 314
<211> 617
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)..(9)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (513)..(513)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (559)..(559)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (587)..(587)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (602)..(602)
<223> n equals a,t,g, or c

<400> 314
atggaaaanc aggcaaatcc tgaaatgggc tggaaaaaag ggagggaccc agcactycca 60
gggagaaaac ttggcattyc ttgggaatct aacaggatgc agtgaaccca agccttttag 120
agagctcacc aatcagactg ccccttgtcta tccatgagca gatgtttgat agtattgcgg 180
aggccctcta gtgggtatgc tgccaagcaa ctggagtggc acttgggctc taatccagtt 240
gtctatccct ttcaccctgg catttcatca gccaaacaaa aaccaactaa ctcagaaaaa 300
aaggaaagcc cctcaagggt cctttgaccc cgatatctac atagatgcta tcggggtccc 360
ctgaggggta ccaaacraat tcaaagctcg aaatcaaata gctgctggat tcaagtctgt 420
ccttttcttg tggtctacta taaataaaaa tgtagactgg ataaattaca tatactataa 480
aaaaaaaaaa aaaaaaaaaa ctcgaggggg ggnccggtac ccaattcggc cttagtgag 540
tcgtattaca atcatgggnc gtcgttttac aaagtcgtga ctggggnaaa acctggcgtt 600
anccaattta atcggct 617

<210> 315
<211> 1130
<212> DNA

<213> Homo sapiens

<400> 315
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atgtctgaac tttcaggttg tcttataatt gtctttttcc ttatgtcaga tgttctatgt 120
cataagaata aaatggttca caccaataca agtacttagt tgtggaaagg gagagtagaa 180
gataaaaatg gagattttcc tgtgctacag gcttagtcaa gcttatggtc ttattaatgg 240
ttatcaaagg caattaaata gtgttgaatg ttctgctttt acctacattt cattttcat 300
gtacttagtt acaaattgaa ccctcttcta ttttttttcct gctcctgttt ctgtttcatt 360
ttagttttcc ttttccctga ttatcattta ggcatgtaag tgacacccag tagcattgct 420
ttaattctgc tggtgacagt gccaaagctt tactatactc tttttgttgt ctgttgcttt 480
tctcttgcta atttgcttga ctagataact aagaattcag gtaagcatta gctctttgtt 540
cactgagaat aatacaactt gcaagataat taatttggat tgttctacat gtatttcgtt 600
tatttctctt taccttgttc atttattacg acattttgaa ttatttaat acccatattt 660
cttctttctt ttatggctca gctcactatg ctttttttta atactggtag cttcctcaag 720
gttggaaaac aagatctgaa tactatagaa aataataact attttttctgt ggtcatatta 780
aagatataat ggctttggat tttggggtga tttttctact gtcagtttaa aaaaaacttg 840
tctatttgca tttgtgtgtt attacttcta gttaagagta tttccaagga aagtttcatg 900
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aagcctatat ttgggaggcc gaggcaggag gattgcttga atcaggagt tcgaaactag 1080
cgtgggcaat gtagcgagac ctggtctcta caaaaaaaaa aaaaaaaaaa 1130

<210> 316
<211> 3740
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (957)..(957)
<223> n equals a,t,g, or c

<400> 316
actctctaag gctttttgg actcaccaaa caggcttctt gcagtggaga tgaatacaga 60
tcacttaagg ttgactgtgc caaatggcat aggggccctg aagctaaggg aaatggaaca 120
ctacttctca cagggcctgt cagttcagct gtttaatgat gggtccaagg gcaaactcaa 180
tcatttatgt ggagctgact ttgtgaaaag tcatcagaaa cctccacagg gaatggaaat 240
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ccatgatgca gatggccact ttcatctcat agatggagac aagatagcaa cgttaattag 360
cagtttcctt aaagagctcc tggtggagat tggagaaagt ttgaatattg gtgttgtaca 420
aactgcatat gcaaatggaa gttcaacacg gtatcttgaa gaagttatga aggtacctgt 480
ctattgcact aagactggtg taaaacattt gcaccacaag gctcaagagt ttgacattgg 540
agtttatttt gaagcaaatg ggcatggcac tgcactgttt agtacagctg ttgaaatgaa 600
gataaaacaa tcagcagaac aactggaaga tagaaaaga aaagctgcta agatgcttga 660
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gaagtacaag ctttctcgag cttttgtccg gccctctggt acagaagatg tcgtccngag 960
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gaaatttgcc gttttatatt ggagtacatt cttaaataaa tgtggttatg ttatacaaaa 3720
aaaaaaaaaa aaaactcgag 3740

<210> 317
<211> 997
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (963)..(963)
<223> n equals a,t,g, or c

<400> 317
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gtcactggag ctaccagaag catcatgggg ccctggggag agccagagct cctggtgtgg 120
cgccccgagg cggtagcttc agagcctcca gtgcctgtgg ggctggaggt gaagttgggg 180
gccctggtgc tgctgctggt gctcaccctc ctctgcagcc tggtgcccat ctgtgtgctg 240
cgccggccag gagctaacca tgaaggctca gcttcccgcc agaaagccct gagcctagta 300

agctgtttcg cgggggcgt cttttggcc acttgtctcc tggacctgct gcctgactac 360
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<213> Homo sapiens

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<223> n equals a,t,g, or c

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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<211> 1038
<212> DNA
<213> Homo sapiens

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<211> 2383
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<210> 326
<211> 2081

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (538)..(538)
<223> n equals a,t,g, or c

<400> 326
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<210> 327
<211> 646
<212> DNA
<213> Homo sapiens

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tacagacttc caagaggctg attctggctt caagatggag ccttggagtt ggtttttttt 180
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<211> 312
<212> DNA
<213> Homo sapiens

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<210> 329
<211> 826
<212> DNA
<213> Homo sapiens

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<221> misc_feature
<222> (726)..(726)
<223> n equals a,t,g, or c

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<210> 330
<211> 770
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (770)..(770)
<223> n equals a,t,g, or c

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cagcagttag tgccaatagc gtgcagaaaa taagatgcaa tgatttggct tcttttctgt 720
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<210> 331
<211> 1276
<212> DNA
<213> Homo sapiens

<400> 331
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<210> 332
<211> 1237
<212> DNA
<213> Homo sapiens

<220>
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<222> (942)..(942)
<223> n equals a,t,g, or c

<220>
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<222> (949)..(1184)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1187)..(1187)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1194)..(1194)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1196)..(1196)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1218)..(1218)
<223> n equals a,t,g, or c

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<210> 333
<211> 1045
<212> DNA
<213> Homo sapiens

<400> 333
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<210> 334
<211> 1223
<212> DNA
<213> Homo sapiens

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<210> 335
<211> 1267
<212> DNA
<213> Homo sapiens

<400> 335
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<210> 336
<211> 3194
<212> DNA
<213> Homo sapiens

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<210> 337
<211> 1258
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1196)..(1196)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1200)..(1200)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1237)..(1237)
<223> n equals a,t,g, or c

<400> 337
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cacaagtaca tcccccggag ggcagtgctt tatgtacctg gaaatgatga aaagaaaata 180
aagaagattc catcccngaa tgtagattgt gcagtgctcg actgtgagga tggagtggct 240
gcaaacaaaa agaatgaagc tcgactgaga attgtaaaaa ctcttgaaga cattgatctg 300
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aaggcagtgt gtgaagaaac cctgaaggtc gggcctcaag taggtctctt tctagatgca 600
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ctggatattc tctacgcccg gcaaaagatt gttgtcatag cgaaagcctt tggtctccaa 720
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gaaggagccg ccatgggctt cactggtaag caggtgattc ncctaacca aattgccgtg 840
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gcctttaaag aacatcaaca attaggaaag ggggccttta ctttccaagg gagtatgatc 960

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ttctgttcct cattaaatca tgagcttttg tgcccgagac tctggacgga ctgttncttn 1200
aggaatttaa ccggatggga agtttttaa actttncaa ccaacttttt taaggccc 1258

<210> 338
<211> 698
<212> DNA
<213> Homo sapiens

<400> 338
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cccccaccct aaaacttgct gtaaagcagt tcctggaaca gagcaggtgc tcagtagtac 120
tggttgcatg aatgaatgaa tgaatgaata ggttttcctc ttttagacac attgggagat 180
gggcctatgg tttcctatgc tcattttgac ccagagattt gtgtcctgtg actcacatcc 240
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cacacagaca cacatgcaca cacacataca cacactctgg tttgaagaga agagggatgg 360
gaacagacat tctacgcatg cctacagtgc accactgtgc ataggtaact gatgctgtat 420
aagcactcaa ggattatctc catttttagc cagagaaact gaggcttgct ttctgctgtg 480
tctccagtgc ctagcactgt gcctggcata aacatctgct gaactgaatt gcactagatt 540
caagaggctc agaaaacagt tcaaggtcac ccaactagca agttgtggag ccagaatctg 600
tgctcagggc tgttcagtcc ccagccagtg ccgggtagca gccataggca cctgcacaaa 660
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<210> 339
<211> 996
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (834)..(834)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (996)..(996)
<223> n equals a,t,g, or c

<400> 339
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tgtgccatga acctaaagca catccgtttg gtctgccagt aggctggtat ggcatgctgt 120
aacccctata aatattattt ctatttatcc tgctcagtgt gtttcctgta acaaatcgtt 180
caagaaactc tggtcccttc atgaacatat caagatcgtc catggatatg cagaaaagaa 240
attttcctgt gaaatttgtg agaagaaatt ctataccatg gctcatgtgc ggaaacacat 300
ggttgcacac acaaaagaca tgccattaca tgcgaaacct gtggaaaatc attcaaacgc 360
atatgtcact caaggtgcac tccktgcagc attctrgaga gaagcccttt agatgcgaga 420
actgtgacga aaggtttcag tacaagtacc agctacgctc ccacatgagc attcaattg 480
ggcacaaaca gttcatgtgc cagtggtgtg gcaaggattt caacatgaag cagtacttcg 540
acgaacacat gaaaacacac actggagaga aacccttttat ctgtgaaatc tgtggcaaaa 600
gcttcaccag ccgccccaac atgaagagac accgcagaac tcacacaggc gagaagccct 660
atccatgtga tgtgtgtggc cagcggttcc gcttctcgaa catgcttaag gcccacaagg 720
agaagtgctt tcgggtgacc agccccgtgg aatgtgccac ctgctgtcca gatcccactt 780
acaacttccc cagccacccc agttccttct gtggtgaaca cagccacaac cccnaccctc 840
caatcaatat gaatcctgta agcactcttc ccctcgggcc atcccccacccccttctcaca 900
ccgcacatcc acccacaccc tcaccaccca caccamcttc ccatccctcc aktccctcac 960

ctcccgccac ctccagctct ctttaagagt gagccn 996

<210> 340
<211> 974
<212> DNA
<213> Homo sapiens

<400> 340
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acttatgaga aagcaggcat gtaaataaaa aataaaaaat gttggcccta gattttgata 120
tgtgtgtggt gtgtggtgta ggagaggccc tgatatttac ctgtaagtgt tagagttgta 180
tgaaaaaggt ggcaagattg agtagcttag ggcatgtggt gtggaggctgtatgctagag 240
ttttggcatt aataacttgt attttctggg ttttggcatt aataatttgt attttcactc 300
cccaaatatt tttcaagcat ctacttcatg ccagaccttg ttctagatac cggagataca 360
acagcaaaaa tacagatctt gcccttatga agcttaaatt gttgaggcag gcagacagtg 420
ataaataaat acatagaatg ttgggaaaga aaataagagg atttgagagg gtggaatggg 480
gaagaaagga ttcactgata agatgccatt cgagctaaga cctgaaaagg tgatctctaa 540
ggtgaggaaa gagctttcta cacagaagga acagctgggg gaagggagca cgcttggaat 600
atttaaggaa tatcaaggag ggaaaagtgg ctagagtaga ggaaggaat ggaagaagtc 660
atgtcaaaca ggtactaatg gaagaagtca tgtcagacag ggtcttgccc attgtaagga 720
ctttggcctt atacctcagc aagctgagca gccgtcggaa tgttttaagc aaaagagtga 780
caccatcttt aaaagggacc ccttgtaagg attcagaaca gacttggagg gaaaacaagt 840
agaagcagca gggggactag ttaggaggct gaggtgggag gattgcttgg gcctgggagg 900
ttgaagctgc agtgagtcat gatcactcca ctgcactcca gcctgggcga cagaaggaga 960
ccctgtctca gaaa 974

<210> 341
<211> 413
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (248)..(248)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (328)..(328)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (357)..(357)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (372)..(372)
<223> n equals a,t,g, or c

<400> 341

nggcccattc gctgttgggt cttctgctag ggaggatgtc gggttcgtcg ctgcccaggg 60
ccctggccct ctcgctgttg ctggtctctg gctccctcct cccagggcca ggcgccgctc 120
agaacgtgaa gagtacaatc tggacaggat cagaagtaga gaatgaagtt gtaaagagaa 180
aggggaaaga cagaagaaag gctgcagtag tacaaggaga aaagcaggat gcaagattga 240
aggaatgnaa tctttgtttg aggagcattc cggaaaatta taagctgttc agaaagggtt 300
aattagacca gggacctttt aagttaantt cacactcaaa gttaaaataa tgttggngat 360
tcactcctgt gnaaaattgg gttagttttc atttgccctt ttaaacaaaa ctt 413

<210> 342
<211> 1010
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (607)..(607)
<223> n equals a,t,g, or c

<400> 342
ggttacttcc aagttctgcc aactgtgaat aaagttgcta taaacatcta tgtacaggtt 60
ttttttgtgt gtggacctaa gttttcaact cctttgggtg ataccaagga gcacagtcac 120
tgggacatat ggtaaggata tatttagttt ggcaggaaac caccatactg tcttccnag 180
tagctgtacc attttgcata cccaccagca ctgaatgaga gttcctgttg ctccacattc 240
ttgtcagcat ttgatgttgt cagtgttctg aatttaggta gtcatgatag gtgtgtaatg 300
gtatctcact attattttaa tttgcctttc tctgatgatg tatgatgttg cagatcttct 360
catatgctta tgtgacatct gtatatctgg tgaaatgtct gctaaggtct tascctattt 420
tttaatargg atggttgttt tcccattgtt gagttttaag agttccttat atattttgga 480
tatttaaata tactacaaat aaacagtcct ttaacagata aatgttttgc aaatattttc 540
tcttagtctg tggcttctgt ctttattccc ttgaaggtgt ctgtcacaaa ngagtttatc 600
ttttttnctt ttttttttttt tttgagacgt agtcttgctc cagcctgggt ggcagagcga 660
rctacgtctc aagaaacaaa acaaaacaaa aaaacacctc agttgcgcgg caaggtkgct 720
cacgcctgtg atcccatcac tttgggaggt cggaggtggg aggtgggaga atcgcttgag 780
gccaggagtc catcctaggt ctagcttgac cctatctcaa caacaaaaaa ataacaatta 840
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<210> 343
<211> 1337
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (22)..(22)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1318)..(1318)
<223> n equals a,t,g, or c

<400> 343
cggggcttcg gcgccaggcc angcgctagt cggtctggta aggatttaca aaaggtgcag 60
gtatgagcag gtctgaagac taacattttg tgaagttgta aaacagaaaa cctgttagaa 120
atgtggtggt ttcagcaagg cctcagtttc cttccttcag cccttgtaat ttggacatct 180
gctgctttca tattttcata cattactgca gtaacactccaccatataga cccggcttta 240

ccttatatca gtgacactgg tacagtagct ccagaaaaat gcttatttgg ggcaatgcta 300
aatattgcgg cagttttatg cattgctacc atttatgttc gttataagca agttcatgct 360
ctgagtcctg aagagaacgt tatcatcaaa ttaaacaagg ctggccttgt acttggaata 420
ctgagttgtt taggactttc tattgtggca aacttccaga aaacaaccct ttttgctgca 480
catgtaagtg gagctgtgct tacctttggt atgggctcat tatatatgtt tgttcagacc 540
atcctttcct accaaatgca gcccaaaatc catggcaaac aagtcttctg gatcagactg 600
ttgttggtta tctggtgtgg agtaagtgca cttagcatgc tgacttgctc atcagttttg 660
cacagtggca attttgggac tgatttagaa cagaaactcc attggaaccc cgaggacaaa 720
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taagtaatcc agccttt 1337

<210> 344
<211> 1420
<212> DNA
<213> Homo sapiens

<400> 344
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ctatctctct ttcagggcgt gcgaggcagc ctgggctccc ctggaaatcg ggaaaacaag 120
gagaagaagg tcttcatcag cctggtaggc tcccgaggcc ttggctgcag catttccagc 180
ggccccatcc agaagcctgg catctttatc agccatgtga aacctggctc cctgtctgtc 240
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cagagcagat catggggaag gatgtccggc tcctacgcat caagaaggag ggatccttag 840
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taaacagatt tattttccag cttaaaaaaa aaaaaaaaaa 1420

<210> 345
<211> 1674
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1663)..(1663)
<223> n equals a,t,g, or c

<400> 345
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tcgattgaac cctgcttcct cgacccccct gggaggccgc cttcttcagg cgcctccctt 120
ctctccacga gctcgctctg acagctgagg aactggcaag atcctgctac ccagagggtg 180
aatgggtatc tttcccggaa taatcctaat ttttctaagg gtgaagtttg caacggcggc 240
cgtgattgta agcggagtaa gcaaacacct ccattgtatt agtcaccaga aaagtaccac 300
tgtaagtcat gagatgtctg gtctgaattg gaaaccctt gtatatggcg gccttgcctc 360
tatcgtggct gagtttggga ctttccctgt ggaccttacc aaaacacgac ttcaggttca 420
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gctaagacaa gcatcatatg gcaccattaa aattgggatt taccaaagct tgaagcgctt 600
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cagacttggg ctagagcaga aggcataggc cagggtggtt attgctatat gtgttacaga 1560
cctcggttct cattaaagta tttattggca gaatcaaaaa aaaaaaaaaa aaaaaaaaaa 1620
aaactcgagg gggggcccgg tacccaattc gccctatggt gantcgaatg ggct 1674

<210> 346
<211> 921
<212> DNA
<213> Homo sapiens

<400> 346
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ccagggaaga acttgaagag caaaatacac tcttgagttt gttgggtttt gggagaggtg 120
acagtagaga agggggttgt gtttaaaata aacacagtgg cttgagcagg ggcagaggtt 180
gtgatgctat ttctgttgac tcctagcagc catcaccagc atgaatgtgt tcgtagggcc 240
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gcctgtggtt tcctggaaga tggatgggca gagaataggg aaggaagatc atgcttttcc 660
ctactaactt ctgtaactgc atgtatgata cattattgca gaggtaagag atagtttaat 720
ggatttttaa aaacaaatta ctataattta tctgatgttc tctagttgca ttttgctgaa 780
atgtagtgct gttctaaatt ctgtaaattg attgctgttg aattatcttt ctgttgagaa 840
gagtctattc atgcatcctg accttaataa atactatgtt cagttaaaa aaaaaaaaaa 900
aaaaaaaaaa agggcggccg c 921

<210> 347
<211> 822
<212> DNA
<213> Homo sapiens

<400> 347
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ggagatggag gtgtgagcag catggtctgt tgtggttttt tcttgttgtg gagtagagtt 180
agatcataca tgaagctctc tgggcatagg tggagtagca gctgtccaca ccattgctat 240
tcaaagtgtg gtttgcacac cagtaatgga aaatcatctg tgcacatgt ttagtttaac 300
tgatactttt tttttcatag caagatttct taatgaagga agtaatgtat tgatttacat 360
tctgactcat tgtctttatc ttgtctttga tcagtttgta gactggcact ggtccacact 420
ttgaataaca ctattcttca ttctactttc catgtacccg gatgccaggc aaacagggag 480
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ggcatggtag ctcacgactg taatcccagc tctttgggag gctgaggtgg gaggattgct 600
tgagctcagg agtttgagac cagcctgggt aacataggga taccttgtcc ctacttaaaa 660
aaaaaaaaaa aaaaattagc tgggtgtggt tgtgcacacctgtagttcca gctattccar 720
aggctgaggc aggaggatag gttgagcatg ggargttgag gctgcartgt gccttgatgg 780
cgccactgca ctccatcctg gttgacaaaa aaaaaaaaaa aa 822

<210> 348
<211> 706
<212> DNA
<213> Homo sapiens

<400> 348
ggcagaggtg acaagccccg ccaagacaga cctgcaagtc ttcgtctcaa gggacctccc 60
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tttgcctgtg gatctgtttg gccagggtcc ctggggtcag gaatatttgc aagactcagc 180
cagctccttc ccagcccagc ctcttggggc tgggactttctcaccctgcg gcaggcacaa 240
cagatgctgg gacccagtct ctgcccaggt cacagcacaa gtgcacatca gcactatggg 300
gcctatgtcc tgcccagaga cctctgctcc ttcctgctca catccacagt tcagggcacg 360
gcgcccctca agaactccag agtcacctgt ctcatcggct cccagcaagt gcctctttgt 420
ctatgatgtc ccccttctct gaggcctgga cccacccatc tttgtccctg gggcctgctc 480
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cccgtctccc tgcttggttc tcccctccct tccctggccg gctgccatgg ccaggagcta 600
agtgcctttt tgtgtgcaac cacttaccct ttctctgaaa aacctgttct caggaaggat 660
ctgataaact catttactct yaaaaaaaaa aaaaaaaaaa aaaaaa 706

<210> 349
<211> 1726
<212> DNA
<213> Homo sapiens

<400> 349
cgtctgatta aggtaccttt tgggaaatta aggttctata gaaattactg ggctcaatct 60
agtgatacaa atatgtgttg tttgatttat caacacatta caaaccttaa ctttggagtt 120
ttaatatctg gttatcttta atatctggtt atcttctttc tgaagtgtat gtacacaaaa 180
ttgatgctaa ataaggtctt gttgttttgg caaatagtga aatgcaaggt attggtagat 240
cagtactgtt ataactttgg tgcaaagttg ctgcatgcag attggctgtg ggaccttgtt 300
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ctggtatgga tagtgtgagc ccagggaatg tgcttagata aaagatcatt taacaaatag 420
gttttgcatt tttttagcaa tcaggctttg tgctgaatat tagagtggtt gtttcagaga 480
gtttgcagca attaggcttt attggtgcac taaggagaag cagagaggag aagcaattct 540
tggtaacttc cttggaagtt gcagctaact ctgaaaagtc tgggttgaac taggtaagta 600
actaattcct agaatcaata aactttgcag gagtccgttt gattgtacat gtagctccct 660

ggaattgcta ttggtcccta aatcatcagt ttgtaatgct ggttttcaaa cttgagtgca 720
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ctgggtgaca gagcaagatc ctgtctccaa aaaaaaaaaa aaaaaa 1726

<210> 350
<211> 1283
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (341)..(341)
<223> n equals a,t,g, or c

<400> 350
gaattcaaag tttaccaaat gtgcaaaatg agcagtttta ccttaggatt attattttta 60
tttatattta ctactgcaga aaattatttg attctttttc agagaaaata ctgtttggtt 120
atattttggg gggagttttg aatttcacat acgaaagaaa taacacagcc ctttcaaact 180
gcctgtgttt caacctgcaa agttttttt gtgctaaaga tttgagcttt gtgaaggatt 240
ccctttttgt tccttcttct ccagcaatct cagctacctg ggcgtcctg ctaatgattt 300
ctggggttcc gtgccagggg tcggcaggac aagtgtttca nttgaagctt catttggttt 360
ggagtctctt cctcytctga gccwacaaag ctcgggtcca cgggtactct gscaaaattc 420
atcatcttag ttaggcattt ggcagaatag gtgaggcagg gatgaatctt taacaaatgt 480
taatgttgct ttgctgggaa tgtgcagagg ggcatccaag atgagcacac atttaaaagt 540
aaacacatga ataagtggca gtagaattta ttttgcaact ctgagtgcta cagtgtctac 600
tgaattcagt gtattccacg ttcttattac aactaaagac tgggtagaac ggacttctct 660
taactatgca aagggaaaat ccaagacaag attccgcaggctgctggtga aaaggggtgt 720
tatcatgcag atgtcatcct aacagattag cagagggaag tggaaatgtt cgaggatgtt 780
caatgccmcg ttgttggttw trgcaaamcc actggaaaca mcacaggagt ctaaaaatag 840
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acataccacg cttttaatag tttttaatct tcgttattaa agaaagattg agggagatgg 1140
gatttctgtt tttatttttat acaaatctgc attgtttgaa ttttttttttt ttttacgaca 1200
agctgttatt tctctgggga gtttaaaaaa aatacaaaaa aaagggaatt cgatatcaag 1260
cttatcgata ccgtcgacct cga 1283

<210> 351
<211> 1552
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1035)..(1035)
<223> n equals a,t,g, or c

<400> 351
ttgcctaagg cccactgtgc caaattagat aatacaagaa gttcatttac actgtagacc 60
agtgacgtca atgactgttt gctctgtgat accgtttcaa aaatccaaaa tgcagacttt 120
tctctgtgcc atgcaggatg cagctgtgtg tgatatggtt tacagtaata tttctttctc 180
aaagtagcag gcttgttaag gaaaagataa gcaacacatc tggggaaaag ggcaggtggc 240
cagcaatcga tgtggtagct ctttgccccc ctcggacagc aggaattagc ttccccaggc 300
attttctgta tgtgagttgt attgtgggat gtacaaatat catctgttcc tttgggtttc 360
caggccagta gctctctatt ttgggttcaa acatgggttc tcaggccggg cgcggtggct 420
cacgcgtgta atcccggcac tttgggaggc caaggcgggc ggatcacgag gtcgggagat 480
ggagaccatc ctggctaaca tggtgaaacc ccaactctac taaaaataca aaaaattagg 540
caggcatggt ggcgggtgcc tgtgktcccg gctactcagg aggctgaggc aggagaatgg 600
tgtggacccg ggaggttgga ggttgcagta agccgagatt gcaccactgc mctccagcct 660
gggcaacaga gcgagactcc atctcaaaaa acaaacaaac aaacaaacaa aaaatgggt 720
tctcaaaagg catgcccact gtctcccatg gagcttgaca gcccatgcca ttagctctca 780
ctgttaggtt tctggggaag gttcttctac ttgattggaa aatttccaaa taaatctttc 840
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acagaaacct aaagcttgat gttttggggg gctgcctgtc atctataggt tcatttaggt 960
gtatttagga agaggatcca tgaaaccact ggtttcctgt tacataataa tcattaataa 1020
tgatttaaaa tgtgnacatt gatttttttr aattccraaa tacaagcgta tatggtawat 1080
taagtcaaat ggtatgttca gtgagcgaga tggggcttgg ggcaaaaca tactttgctt 1140
ccaaagagga tacaactctc aaggagattc tttcatcttg cctttaaggt catttaaact 1200
aattcacata atcttcagaa aactaattca catcatctat tcatgtgtaa aatcaaaagg 1260
aagactgttt tcttagtctc tcgttgccta actggccatt tatactacta ggttgattaa 1320
gggatttgcc tttttctgct gatatgggaa caaaaagtct taagcatttt taaaggcaat 1380
ggaaaattca gccacatggg ggaaaattga tattgtcacc attgagttgc tctgtttctt 1440
ggtgaagagt gaatctaatc tgatttcctt cttcatcaga tatgcctctt taacaacaaa 1500
aaaaaaaaaa aaggaattcg atatcaagct tatcgatacc gtgacctcg ta 1552

<210> 352
<211> 1563
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)..(14)
<223> n equals a,t,g, or c

<400> 352
aattcggcac gagncagaaa cctgcggaaa atggtagcga tggcggctgg gccgagtggg 60
tgtctggtgc cggcgtttgg gctacggttg ttgttggcga ctgtgcttca agcggtgtct 120
gcttttgggg cagagttttc atcggaggca tgcagagagt taggcttttc tagcaacttg 180
ctttgcagct cttgtgatct tctcggacag ttcaacctgc ttcagctgga tcctgattgc 240
agaggatgct gtcaggagga agcacaattt gaaaccaaaa gctgtatgc aggagctatt 300
cttgaagttt gtggatgaaa attgggaagg ttccctcaag tccaagcttt tgttaggagt 360
gataaaccca aactgttcag aggactgcaa atcaagtatg tccgtggttc agaccctgta 420
ttaaagcttt tggacgacaa tgggaacatt gctgaagaac tgagcattct caaatggaac 480
acagacagtg tagaagaatt cctgagtgaa aagttggaac gcatataaat cttgcttaaa 540
ttttgtccta tccttttgtt accttatcaa atgaaatatt acagcaccta gaaaataatt 600
tagttttgct tgcttccatt gatcagtctt ttacttgagg cattaaatat ctaattaaat 660
cgtgaaatgg cagtatagtc catgatatct aaggagtgg caagcttaac aaaacccatt 720

ttttataaat gtccatcctc ctgcatttgt tgataccact aacaaaatgc tttgtaacag 780
acttgcggtt aattatgcaa atgatagttt gtgataattg gtccagtttt acgaacaaca 840
gatttctaaa ttagagaggt taacaagaca gatgattact atgcctcatg tgctgtgtgc 900
tctttgaaag gaatgacagc agactacaaa gcaaataaga tatactgagc ctcaacagat 960
tgcctgctcc tcagagtctc tcctatttt gtattaccca gctttctttt taatacaaat 1020
gttatttata gtttacaatg aatgcactgc ataaaaactt tgtagcttca ttattgtaaa 1080
acatattcaa gatcctacag taagagtgaa acattcacaa agatttgcgt taatgaagac 1140
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gttttacatt cttacagaaa agtccattta aaagtgatca tttgtaagac caaaatataa 1260
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gtctgatttt atttttcaaa gtttttttcat ttatgaacac attttcattg gtatattatt 1500
taaggaatat ctcttgatat agaatttta tattaaaaat gatttttctt tgcttaaaaa 1560
aaa 1563

<210> 353
<211> 756
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (230)..(230)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (755)..(755)
<223> n equals a,t,g, or c

<400> 353
gaattccaat gtccacaggt gatgggagag atgctgagaa agggtggcca gtgagtgagg 60
aggaaaacca gaggagtgtg tatcctgggt accctgaatg tgatgagcga caagctgtcc 120
cccagcactg tgccattgct tctcccagtt ctcttcaaag tcaccatcct gcttcagcgt 180
gtgtgcccag aagatagccc ttcctcttct gtgcttccag aatccgtagn cagggaatag 240
gaatacatgg acaagtagca tgcagtgcag tgagaatgta taacaacaga tgactctggg 300
gaccaaaatc aaatggggcc agctacaaag agggcaggaa atccccacaggtgattttac 360
tgtgaggaat tttatgaggt tcagcatcat atattgttag gagaaaatgc tgttttgata 420
agcagagata tgagaaaagt aaacgggaac tatgatttag agatctcatc tgrttacttt 480
gtcctattcy cagtttwatt actaaagagc agtaaagcca aggagaaagt agtaaagatt 540
agatgaatgg ttagcatgtg aaacctgaaa ggaaccagag tgatttccct cgaggaacaa 600
atgcacttct cttacatatg aaagatgatg tgttctgtgt tcccatagaa tctagggaaa 660
gaaaaagtga gcagatactc tgatatgagc aatataactt aggtgtaaaa aaaaaaggaa 720
ttcgatatca agcttatcga taccgtcgac ctcgna 756

<210> 354
<211> 1402
<212> DNA
<213> Homo sapiens

<400> 354
ccagtgtcgg tctatccaaa aaatgtacta acagatatgt aaaccctgat gaatacagta 60
tgtgttatga gaagtggccc aacgaagcag ctcatccaag tgagattctg aagttgggct 120
ggcgagtaca cgaatggctt tcttactaga gagaagtggg accctgctaa tctgtagcat 180
gtggtggcat catggttact caaatatcac tggaacagaa ggtgaaagaa gaaatctgaa 240
gagaaataaa acaaattttc ggcggttcca agatggccga ataggaacag ctccagtcta 300

cagctcccag tgtgagagat gcagaagatg ggtgatttct gcattccaa ctgagcaaac 360
ggcacaccag aagattatat cccatgcctg gctgggaggg tcccatgccc acggagcctc 420
gctcattgct agcacagcag tctgagatcc atctgcaagg tggcagtgag gctgggggag 480
gggcacccac cattgctgag gcttgagtag gtaaacgaag cagccaggaa gctcgaactg 540
ggtggagccc accgcagctc aaggaggcct gcctacctct gtagactcca cctctcgggg 600
cagggcatag ccaaacaaaa ggcagcagaa acctctgcag acttaaatgt ccctgtctga 660
cagctttgaa gtgagtagtg gatctcccag cacggagttt gagatctgag aacggacaga 720
ctgccccctc aagtgggtcc ctgacccctg agtagccta ctgggaggca ccctccagta 780
ggggcagact gacacctcac acagctgggt acccctctga gatgaagctt ccagaggaac 840
aatcaggcag caacatttgc tgttcagcaa tatttgctgt tctgcagcct ctgctgctga 900
tacccaggca aacagggtct gcagtggacc tccagcaaac tccaacagac tggcagctaa 960
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gctcctcgcc agcaacggaa caaagctgga tgagaatga ctttgacgag ttgagagaag 1200
aaggcttcag aagatcaaac ttctccaagc taaaggagga agttcgaacc catcgcaaag 1260
aagctaaaaa ccctgaaaaa agattagacg aatggctaac tagaataacc aatatagaga 1320
agtccttaaa tgacctgatg gagctgaaaa acatggcgcg agaactacat gacaaatgca 1380
caagcttatc gataccgtcg ac 1402

<210> 355
<211> 2270
<212> DNA
<213> Homo sapiens

<400> 355
ttttttttt aacttttaa acaatccatt ttaatcatct aaattattta caatacaata 60
acatggattc atccttttta agacatggga ttgtaaaaat caacaagtga atgatgcttc 120
aaataataca tttaaataca ttaatcaaat tttttcagtg cttaaaactt tttctccatg 180
ggacagcagg ctctggacaa aagtgcctag catacaagtt ttcccaattt ccttctatca 240
taccagctgc acataaaaag gttcatcacc tcctgtctcc aaagtgtctc cctactgagt 300
gttcccaggc agacaatagt tcctgggata gtgctgtttg gtaacagaaa agcccaagcg 360
tagaggacgg attaaaaggc agggaccaga ccgccatgga tacaaatccc aagacagagg 420
atgccccatg ccttccccat gaagcttatc tgtctgcctg tgtctccatg attgcaggca 480
tagagctact tgggacctcc aggatgatt acttagcgat atgcttttta cattctaaga 540
atcaaaatgg tcctgtaatt cccaatagag aaaatagagc caattcattg ttctcccctc 600
tcccctctga agccagtttt taaagatgag ccttacccag aaaataagcc ccaaagaact 660
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aaggtttatt tggttaagga gtattgctaa aacacttttt aaaaatccac tttgaacaca 1920
tgtgtaagct gaaaagaaaa tgacatatat acctccattg agctgggaa agtgaaaagg 1980
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gctccacttg gaaatcacca ggggacttga gaatcttccc cttagactca gggagacacc 2160
cagaccagga agaagggcac tgatgttttc agggacccaa aagcccactt ttttttttt 2220
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<210> 356
<211> 1123
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (213)..(213)
<223> n equals a,t,g, or c

<400> 356
caaaaataat aatagtcatc acatttgtat agcactgggt cattttccc aagaccattt 60
agttacttga cctcagctgt tgtccagctt ccagtcttgg ggtaatggca gcttaataat 120
ctgaaaattg ccaagagaaa gatgtggaag gatgaaatgg aggcaacatg aatttctgtc 180
accttgtcat atgttctcat ttccakgcct tgngagcaag agagttaggt atatcttctg 240
taactcagac aattttcttc ctctttgcag aatggcccct aggaatcaag gtagcttttc 300
ttttggaaac ttcatgctgt ttttagtgtt gatagaaagg aggtatctgc catttctgtc 360
acctatttta ttttgttgta gcacccataa tngatcagct gtcacagcca caaatctctg 420
aggagactgg aatcattccc agataaatca gaaagtcaga atcactttat ggttatagtc 480
ctggcttctt gagagcttgt ctggaggttg tagcagggga gcacagctag tcatataccc 540
twgactarsg accggtctwc ctctattggg gatggttgtc ctcttctact gagcttgcag 600
ctttgggagg gacgcacatg gagtggtgag ggaggaaggg gacacccgcc tagccagcca 660
gatcagctga atcaaccctg gcaatcaatg gggtgacaga tgttgcagcc agatcgccct 720
cacatccagt cctaccttct tggtaacaaa acaattggtt ttgctggtct agaaactgta 780
gggctagaca tgtattatag gactggctta gggagagtta ctttatatta gcactcatgt 840
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aagtgtaaag tctgctggga aagttagtgc tcaaaagtgt aactaaatac ttgaggcnag 1020
tgctttacta gggaataaac taaatatcaa gagaacaaag ataagcaatt ccttcacgat 1080
gttttacatg gtaaatccat acaattttaa aaaaaaaaaa aaa 1123

<210> 357
<211> 1417
<212> DNA
<213> Homo sapiens

<400> 357
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catgacgttg gaggagcata gagatagacc tagactaggc atgtgtatgt gtgtgtgtgc 120
atgtgtgtat gcatgcatgc ttatgcatgt gtgtgtgcat gcatgcttgt gtgtgtgtgt 180
gtgtgtgtgt gtagagcctt ggtcatcccg acagagcaaa gacacaggag ggtggcaaat 240
ggaagaacaa gtgactccac cctcccttgc acagttaaaa tctggccaag tgagagggga 300
gatgggagag gggagagggg agaaaggaga agaggcactg actggagggg ctgaagcttt 360
gtccctcctg ggcaggcgtt ctccatccac acccctcttc ttggatagag aggataagca 420
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<210> 358
<211> 3388
<212> DNA
<213> Homo sapiens

<400> 358
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<210> 359
<211> 1965
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (333)..(333)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1961)..(1961)
<223> n equals a,t,g, or c

<400> 359
ggatcctcgc ggcggcggcg gtgcttacag cctgagaaga gcgtctcgcc cgggagcggc 60
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agaggaccaa ggctgaagct actatccctt tggttcctgg gagagatgag gattttgtgg 480
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acaacagaac attaataaat atctcttgtg tagcaccttt aaaaaaaaaa aaaaaaaaaa 1920
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa naaaa 1965

<210> 360
<211> 1382
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1339)..(1339)
<223> n equals a,t,g, or c

<400> 360
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tcacatttca gagttagttt tcaatggaag aaatgagcaa aggtttttat tttagttaat 180
atagaaattt gaataattca gagtacagaa aggaacacat ttcatgaaca tggtgggaat 240
ttttcactta atgtattata ttccaccaat atacaaatat ttgtatyatt ttagggcagt 300
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cctttgagtt tcctaatagc caaagcaaaa gaaaaaaaaa aaaggaagga aacaaactta 480
caaactctta ccatctaaaa aagaaatcat accatttttt aggtggtaca aacatttttc 540
tattatcaaa ctagaggtgg cttttaccat gtgaatattt ttataaaggc tgtggaatga 600
taatgtgaaa attccagggg ggaaagtaag caagaaagta aagctgcaga gctgcatgtt 660
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caagggcaga atagagctga tcagaagcaa atcttgaatt caattcgtat ttatattttc 1260
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gc 1382

<210> 361
<211> 1755
<212> DNA
<213> Homo sapiens

<400> 361
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cgctgtgtca ccgcggccct catctacttt gctatctcca tcacggccat cgccaagtac 180
tcggatgggg cttccaaagc cgctgggggg tctgtgcctg acactcgggc tgtttgtcca 240
agcagatctg aaatgggccg tgagctgggg gcagcagcct cccgggagca gggagtcagc 300
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aaaaaaaaaa aaaaa 1755

<210> 362
<211> 547
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (547)..(547)
<223> n equals a,t,g, or c

<400> 362
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tttagatgtc tgctctccat gtatatatgg atcacattcg tgttagatgg aagttgtgaa 120
tccactgttc tctcaaaccg gtctctttcc cttgtaccta tcatagtgta catagctcaa 180
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aagcaagtca ttgaacttac ctggtattta actgaaaaca aacaaaaatc agcaatctct 300
tccattgctt gtagaaatac tgacttaggc caggcacagt ggctcacgtc taatcccagc 360
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agtgcan 547

<210> 363

<211> 1974
<212> DNA
<213> Homo sapiens

<400> 363
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ggaaaggaaa tgttctatgt tgttcaggct aggagtatat tggttcgaaa tcccagggaa 1920
aaaaataaaa ataaaaaatt aaaggattgt tgataaaaaa aaaaaaaaaa aaaa 1974

<210> 364
<211> 890
<212> DNA
<213> Homo sapiens

<400> 364
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cggtttggcc aggtggatac tgatgaaaat attctgctgg cgagtctcca cagtcaccag 180
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aaaaggagtc tgggattgag tgaaacacaa attattccag gaaaagggca ggaaaaacca 840
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<210> 365
<211> 1043
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (987)..(987)
<223> n equals a,t,g, or c

<400> 365
gaagctggag ctccaccgcg gtggcggccg ctctagaact agtggatccc ccgggctgag 60
gaattcggca cgagctttcc cctaagtttt cttatcttca ggctacagaa ttattgagat 120
tactctcaac cattcctcat gttagaaact ctttctcaat ttatttccat cctctttgct 180
cttctctgga taatctcaga tttgatactg tgttttctta aatgtggtaa tcccggaact 240
ctagatatgg ttcttcctat ttggactaat cagtatacac attccagtag atccattttg 300
tcctttatct agatacagta tttctagtag cttgaaactc atttgccttt taaaagttgt 360
tttaggatta aaaatcacaa acaaatatc cactgtcctc aagagaatca cctaacaccc 420
ataaggattc ttgtagactc atggtaaagg ggtagctatt gttttatatc agatagcagg 480
agtagctatt cttttatatc agataaaaca cattaaagca acatgaatag gcatttgtta 540
aaagaagata tacaaatagt caacacatat aaagaaattc tcaacatcac tatgatcag 600
ggaaatacaa attaaaacca cgatgacata caccttatcc cagccagaat ggccattatg 660
aaaaagtaaa aacaaaacaa aaaaaacaga tgttggcgtg gatatggtaa aaagggaatt 720
gcttatacac tgctggtgag aatgtaaatt agtacaagct gtgtggaaaa cagtatggag 780
agttcaagta gatctacac tttatctggc gttctcacta ctggctatct attaaaagga 840
aaataagtcc ctatgtcaaa aaagacacct acatgtctat gtttattgca gcacaattca 900
caattgcaaa gatatggaac cagcctaagt ccacatttaa ctgatgagtg gataaaggaa 960
atgtgtgtgt atsmtcacca tggttgncaa aaagagaccc gttgcctct gtaaccagac 1020
actcaggctt tccaggagcc cag 1043

<210> 366
<211> 2103
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2101)..(2102)
<223> n equals a,t,g, or c

<400> 366
ttcctcgtag cgagcctagt ggcgggtgtt tgcattgaaa cgtgagcgcg acccgacctt 60
aaagagtggg gagcaaaggg aggacagagc cctttaaaac gaggcgggtg gtgcctgccc 120
ctttaagggc ggggcgtccg gacgactgta tctgagcccc agactgcccc gagtttctgt 180
cgcaggctgc gaggaaaggc ccctaggctg ggtctgggtg ctggcggcg gcggcttcct 240
ccccgctcgt cctccccggg cccagaggca cctcggcttc agtcatgctg agcagagtat 300
ggaagcacct gactacgaat gctatccgtg cgagaacagc tattccacga gaggatccgc 360
gagtgtatta tatcaacact tctgtttgca acactgtaca tcctctgcca catcttcctg 420
acccgcttca agaagcctgc tgagttcacc acagggtgtc ctgggccggg tctmtgagac 480
agtggtgatg ttgatgctcc tcactctgct ggtgctaggt atggtgtggg tggcatcagc 540
cattgtggac aagaacaagg ccaacagaga gtcactctat gacttttggg agtactatct 600
cccctacctc tactcatgca tctccttcct tggggttctg ctgctcctgg ctgctggaag 660
acctggagga gcagctgtac tgctcagcct ttgaggaggc agccctgacc cgcaggatct 720

gtaatcctac ttcctgctgg ctgcctttag acatggagct gctacacaga caggtcctgg 780
ctctgcagac acagagggtc ctgctgggta tgtggcttcg tagggcttgg gatacctggg 840
tttccccaag gagagtagcc cctggttcca ggtgcttgct gacagcctcc catccctgca 900
cagagaagag gcggaaggct tcagcctgkc aacggaacct gggctacccc ctggctatgc 960
tgtgcttgct ggtgctgacg ggcctgtctg tgctcattgt ggccatccac atcctggagc 1020
tgctcatcga tgaggctgcc atgccccgag gcatgcaggg tacctcctta ggccaggtct 1080
ccttctccaa gctgggctcc tttggtgccg tcattcaggt tgtactcatc ttttacctaa 1140
tggtgtcctc agttgtgggc ttctatagct ctccactctt ccggagcctg cggcccagat 1200
ggcacgacac tgccatgacg cagataattg ggaactgtgt ctgtctcctg gtcctaagct 1260
cagcacttcc tgtcttctct cgaaccctgg ggctcactcg ctttgacctg ctgggtgact 1320
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caggcctcac cacactctgt ctggtgaaga ccttcactgc agctgtgcgg gcagagctga 1440
tccgggcctt tgggctggac agactgccgc tgcccgtctc cggtttcccc caggcatcta 1500
ggaagaccca gcaccagtga cctccagctg ggggtgggaa ggaaaaaact ggacactgcc 1560
atctgctgcc taggcctgga gggaagccca aggctacttg gacctcagga cctggaatct 1620
gagagggtgg gtggcagagg ggagcagagc catctgcact attgcataat ctgagcagga 1680
gtttgggacc aggacctcct gcttttccat acttaactgt ggcctcagca tggggtaggg 1740
ctgggtgact gggtctagcc cctgatccca aatctgttta cacatcaatc tgcctcactg 1800
ctgttctggg ccatccccat agccatgttt acatgatttg atgtgcaata gggtggggta 1860
ggggcaggga aaggactggg ccagggcagg ctcgggagat agattgtctc ccttgcctct 1920
ggcccagcag agcctaagca ctgtgctatc ctggaggggc tttggaccac ctgaaagacc 1980
aaggggatag ggaggaggag gcttcagcca tcagcaataa agttgatccc agggtttgct 2040
ttgttttttt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaa 2100
nna 2103

<210> 367
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (456)..(456)
<223> n equals a,t,g, or c

<400> 367
gaattcggca tgagctttct ttctcctgca ggcattggaa atacagtccc agctggcaac 60
accagccagc agcacagccc ggaatcctgc tcctgacctg caccatcccc accagcccac 120
gatagaacgt ttttgtaggc attcctcctc atgggagagg atagagtaca tgcgagtttt 180
tgctctcctc ccacccttc acaagagcac tgtgctttct tttcttctt ttttcctttc 240
ttttttttt tttaggcagg gtcttgctgt gtcasccagg ctggaatgca gtggtgcaat 300
catagctcac tgcagccttg acctcctgga ctcaagcaat cctcctgcct taacctccca 360
gctactcagg agaccgagac aggaggacca cttgagccca ggaggttgag gctgcagtga 420
gccgagattg caccactgsa mtccagcctg gggaan 456

<210> 368
<211> 616
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (17)..(17)
<223> n equals a,t,g, or c

<220>
<221> misc_feature

<222> (580)..(580)
<223> n equals a,t,g, or c

<400> 368
cmgctrctra gcaactnagt gggatsccc gggctgcagg aattcggcac gaggagaacg 60
gctgcacgtg ggagatgctc cgtggatgtt tgtagaacgc tggcttccgt gtttcctcgt 120
tgtggctgtg gtggtgtggg tctttgcctg tggacccgtg gaagacaaag aagacagttt 180
tggatggtca agctattttc ttgcttcagg gctccctccc ctgctttttg aagcctcaca 240
aaccaggact gtgagggcag gaaggcttgg ggtctttgtg tgctgagcct cattagggtt 300
ttaagaacct ccctcctttc atctctagct tacgagaggg atgattcatt atcttccctc 360
ctcaggctgc agtagaagca gacagtctct gcctccctgcttgcctttcc tccctcccat 420
tcactgttga ttattgccct caagaataac aggttgccca gctactcgag argcttaagt 480
gggaggattg cttgacccca ggagttcgag gctgcagtga gctatgatcg cttcactgcg 540
ctatagcctg gcagacacag agagacccta tctcaagcan acagacaaac aaaaaaaaaa 600
aaaaaaaaaa ctcgag 616

<210> 369
<211> 575
<212> DNA
<213> Homo sapiens

<400> 369
atcctctgga atctaggtgg aagccaccaa gccttcttca cacttgcgtt ctgagcatct 60
gcagacttaa ccccatgtgg caatcaccaa ggcttatggcttgtgtcctc cagaactgtg 120
gccagagctg tacctgggcc cctttgagct gaggctgaag ccagagtctg aagctcagca 180
gggcagtarg gccctgggcc tggcccctga aaccattctt ttctcctaag cctctgggcc 240
tttgatggga rgggctgtcc tcaagatttt tgaaatgcct ttggagggtt tttgccttgt 300
cttggatatt ggcttccttt tagttatgct catctctcta gcaagtgaat gtttcacaac 360
ctgcttggat tctttctcta ccacagarcc aggctgcaaa ttttacaaac ttttacactc 420
tgtttccctt ttaaatataa atttcaatgt taagtcactt ctttgctccc atatctgatt 480
taggttgctg gaagtagcca agtcacctct tgaatgcttt gctgcttaga aatttcctct 540
actaggtagc ctgggtcatc acacttaagt tcaaa 575

<210> 370
<211> 1144
<212> DNA
<213> Homo sapiens

<400> 370
gcacacatac gtatgcatat aaggattatc atatataaat ttatataaca atttttatgc 60
atgagtgtga ataaatatat gcatatatat gtctgtatat gtaaacataa tgcatatagt 120
aatttacata tatctgtgtg tatatatgtg tgtggcacag tcacacacac acacacaaat 180
atgtatacag atgcttcctg gcttacaata ggatttcatc ctgataaatt catcgtaaat 240
caaaagtatt gcaagttgaa aatgcatttc atacccccagt aagttcatca tttgktcaaa 300
agtattgtaa gtcagaatac atttgacatc tggataagtc cattataaag tcaaaacatt 360
ttaagtctaa tcattgtaat ttgggtaccg tctatgtaga tacgtaaatc atacattaag 420
ggtgactagg tgccaggttg aatgttatga aaatgaattt caagtctcac aggcacattc 480
acccattaca aatatgtacc acattcacct attacaaata tgtacacatg tatgtgttca 540
tgttcatact acaatggcag agttgcataa ttgtgacaga aatcaaatgg cttacaataa 600
ctaaggcatt tctacatagc cttttaaagt aaaaagttta ttcattgttg gtctacataa 660
cgtggaggaa tttgtagcgg acaggctatt acagtcagtg aattgaaagg aagggagaag 720
ttgggggaga ctagtagctt tttgaaggta ttattttaga gatttatgaa kttttggaga 780
acaagggatg aggaaaaagt attgaagaat ttgggagagc aggatatcaa ttagtttctg 840
actttattgg gaatgcagat cagagaaagg ctgggataga aaactgaaat aataattatt 900
gccttcggtg aatatcagca ggactgatgg gactataggg agggtagact aggtgataga 960
gcccattgtg gcagtttcgg taggacatca ttggtgtata cgtatatgtt atttgtgatt 1020
ttgtttatct ttttttaata agcaaaagga aaagtgtcct gatatgtttt ggctttgtga 1080

ccccatccga atctcacctt gaattgtaac aaagttttac catgttaaac aggctagtct 1140
cgta 1144

<210> 371
<211> 703
<212> DNA
<213> Homo sapiens

<400> 371
gcttggttac gtttatagct tcaacacgcc tctcattkta ggtttataca tgtgtttgtc 60
tgctcattta ttttgtcatc atttgctcat tttattacca gttattgagw gcctactgtg 120
taccaggcac tgggcaaggg gcattctgtg agagagggta tggtacctgc gggcttaagt 180
agtccgtggg cttgtgagga aaacgctaga ttagatcttg attactgtaa atgtcaarta 240
tggccaagtg tgggatttcg tggcaggagt gagctttcct ggaatttgtc tttcttgcct 300
caatttgcct gatagtcatt tcatgctagg gatgttttaa agtctctggg gaggccctgc 360
agtgtagagg aaaatgctga tccacaccag aaatgcgaac ctggctctct gcccttgggc 420
aagtcactta accctcctga gcctcagttt ccatctgtca cttagagctg atattaccta 480
cttaacaccc aggctttttg tgaggggcat tatctcatta gagataatgt ttttaaaagc 540
tctttgtaaa ttgtgtagca ttcaaatgga agttattgtt atttttatta ttgagtgcct 600
tctaattcaa cactgggata gtaacaaaag aagagagggg ttattatcac ccctcttccc 660
tgtcacgttt agattgggggc aaggaaaggt tctcaccctg cga 703

<210> 372
<211> 1649
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1249)..(1249)
<223> n equals a,t,g, or c

<400> 372
agctccaccg cggtggcggc cgctctagaa ctagtggatc ccccgggtcg caggaattcg 60
gcacgaggga tctgtgtggc atggtatgtg tgtttatgtg tattgtgggt gtctgtgtgg 120
catgctgtgc gtgtgtgtat tgtggatgtt tactgtcccg ggcagtagaa aggacgtcgg 180
ggaagcagcc ccagcatcag ggacaggcca ggagtgcaga atgcatggaa gctggtcagg 240
tcggagcctg ggatgaagga agcacagaga tgcaagggtg ccagggccca tggaaccaag 300
agccgatgat caaggccaca gtgcacacag ccctggaggc aaaggacata ttcatttcac 360
aaggattaaa aagcatgggc caaggctggg ccccaggcca ggactgggga tacagagtgg 420
atcagtcccc atccctgccc ccaggtgctt acccacaccc atcacctca caggtttccc 480
caccccagcc ccttggcgag ctcctcctca ttcctcaaar cgtcgctkag gtcacgctcc 540
ttcccgaggc ctctccccat cctctaaaac accctctccc tgctgcccac ttgcagcaca 600
gtcagagagc tccgtggcct gtttccactg gactgagtct tctggggggt gctggtgcag 660
agcagarccc tgggctggga gtcccggcac ctcgttccac tccctcaccc acagcctcgc 720
tgtttaacct caggcaggcc gtgtmcctcc tcagcctcac tttccccttg tgtaaaatga 780
gggaagggac tgcgccttct aagccatctt tcagcttaaa acctctttga ccttctatct 840
ggctaatgga ggtgctgacc aggggcaaga agggattcga aaaacgcttt gaaaaattca 900
tagcaggagg caaaggagaa agagtcttta ttttcgtaga gcgggaggca ggaggagtta 960
tggacagagg ctgtcgatga aaaggacagc atctcagagc actttgtggc atttaatgtc 1020
taatgcctcc tcccattaaa gcagtggcat caaatattta ccaaagcagc attaaaaatt 1080
aacctttacc atggggatgt ataaaggccc taagttccct gagaagtgac cgaacatcag 1140
gagggtaaag tgacaggaag gaaggctaca agcgggttgt gaataatgga agcccccaaa 1200
ggtcccccaa cacagctccc tgttgacccc actcccaaag ccagggcanc ctccggccgt 1260
gtctctgcag aggctcccag cccttcggag actcccagag ggcctgcagg ataaggacag 1320
gccctcagct gggcatccac agccttccat ggcctggccc tgcctctctg ggcagctggg 1380
atctgtagga tggaaaggaa tgagtctgtc ggagttggaa gagaccaggg gaggaagtgg 1440

ggagtggtcc gggcactgga aatagcacgt gcagaggcac tgaggcagag acagctgcac 1500
atcaatccat cagaagagca gccaggtggc atgagtgtgg gggaggaagg aagcgcagga 1560
ggggacaggt gggagatgca ggtaggtctg actgtgcagg gccatggtaa gatgtgggct 1620
tctcggtcca gggacagggg tgccctcga 1649

<210> 373
<211> 639
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (62)..(62)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (126)..(126)
<223> n equals a,t,g, or c

<400> 373
tcctttcatc ttaagcacca cccgacaggg caggtactat taccatctcc gtttgacagg 60
tnaggaacct ggcacaggaa gcatttaagt ggattcccca ggatcgcccc actgtcagga 120
gcagantcag aatgggcctc agcatcaggc tcccaatcct ggcttctaac tgctgcgctc 180
tgcccttcyc tcwccccacc tccccactcc agtgcctttg gtcatgccac tgcagctttc 240
aggccaatac tggattagcc tctagtgtt cttgtccctg cagccatttc cccaggcagc 300
aattccatgt gccctcactg atgtaggtgg ctcttgtgtc atttgtcaca tcctattgaa 360
ttgtttatgc atcttgttca cactcacagc accctccctc tcacacgtcc tccttataaa 420
aatgtccctc agtgtctgct atgagccagg tgcagactta agtgacaggg ctgtacgggg 480
aaataaaaaa ttaacaagga gcacctgcct cttaatgcac agtaacaaac tatgttaagt 540
gtcaggaagg aaaggttaag gatgccagga aggcttttaa taaataacct gacttagatg 600
ggcaggtggt gctgargatt aagaacgtgt tcttctcga 639

<210> 374
<211> 520
<212> DNA
<213> Homo sapiens

<400> 374
gagaaggact ttatgcaggg aagtgacgca ggacacggag ggactcatat ttaccgagct 60
ttggtgcagt ggcccctggc ctgggtattc tatttaagcc atgcaaaaac ccattgggga 120
gaagagttaa ggttttcctt ccgcaggaaa aacttgaggc tcagagaggc tatagacat 180
gagacatgcc aggtcacaca gctggtagct ggcaaagctg actccaacct gtgtctgagg 240
gactctgaaa cctggttctg gcccccactc tgggcagcct gctcctctct acaagccact 300
gcctgcagat taagcagtcc tagcaaaggc ctgggagcat ccagagagtg cccctggctg 360
gcgagtggta gagcagcctt ggtttccttc ctttgaccct caaggatcac aggagtgtca 420
cccagaagta acttaactta tgagtgtttt atgaacagga aaagcaggaa aaggggtaaa 480
gtcacatgat ttcacaacca aacagcctgt aaactcgtgc 520

<210> 375
<211> 524
<212> DNA
<213> Homo sapiens

<400> 375
gcacagaggg cttgggtgca ggtggtttat ttgggaagtc atcctggaaa atccaaaagg 60
aagggatgga gaagagatag aagacaagaa agaatgcatt gctcgtgggt catgggtata 120

gaaagtttct aggaagcttc tgcagaaccc tatgcaatgt gcctcgaatt gtccaaggaa 180
ttgaatgggg agctggtgca tttgtacact acttctgttg ctcactgatg ggcaacaggg 240
cttttatccc cagcctttcc aggctgcccc ggggagacag cagctatggg gaggcaccaa 300
cccatgggct gtactcattc cagaatcctt cctcccctac acgctgacag tcaattattc 360
accaagttgt aacttcgaat tctacttacc taaaatgcgt ttggcataa tctgcatgtc 420
acactcacac tgtccctatc ttggtcgaga cattataatc actctcctga actactgcag 480
cagcttccta gctgaactcc tggctcatct ggtctatatt gctg 524

<210> 376
<211> 1035
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (55)..(55)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (110)..(110)
<223> n equals a,t,g, or c

<400> 376
gagcggataa caaatttcac acaggaaaca gctatgacca tgattacgcc caagntcgaa 60
attaaccttc actaaaggga acaaaagctg gagctccacc gcgtggcgn ccgctctaga 120
actagtggat cccccgggct gcaggaattc ggcacgaggt tacctcctct ctttcagaaa 180
aaagtgttta aatttaataa aaaaatacag acttcctctc tctctgacct gtttctgcac 240
ttctaatttt gtcccattgt tatatctcaa ttctgaaaca agtcccaaac ctttttgtac 300
actcaggctt ttattattta taggtgtctt taatgtggtt tcgctgtttt ttgcttattt 360
ttgtgagcag tgtgactttg acaggtgact ttagaaacat gaagaagcca agcagcctgt 420
gcctctttag acagggcttg atgtctgctt ctgaagttag tggcagcgga agtggagaag 480
gggattgaaa ggtatcttta aattcgraat tatagaaagt aaaaactggt agatgtgagg 540
acagtgggga aactaagatc atagtcgcct aaggttctgt taatacttga gttgaccagg 600
ggggctggtt atgacattga tcatgctaaa ggaaaagatg ccaggaatga gctggggcag 660
agtgaattgg gcagccttcc atcttgacag cacaccaaaa tgtataaatt agcaaaagcc 720
catctttccc taatgccact aagctgtcag tttctggaat tatcatcatt attarattca 780
taatggtttt aatraaggtg tcatccaaac tgacactttg aaaataaagt gagatgatgc 840
ctaaattgga ggcttggaat gaccttagaa aactgctcca ggaaacttga gaatgtccca 900
attacttaaa gaactctgag tcagctacat ggctcattcc attcatttgc tttgcattgg 960
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ctctgctttc tcgag 1035

<210> 377
<211> 491
<212> DNA
<213> Homo sapiens

<400> 377
ggcacgaggc aaaagcttgt gctgttagct ttaaagtgta tttaaaataa atctgaaatc 60
atttaaacag catgaacctt ggtggccaaa tagatcaatg acaaagagga gaaaacctag 120
atacaggttc atttttgcct tatatgcttt gagattagtg tttctattta gagctgtgac 180
taatacagat gcatcacggc tgagagcaaa ggaggtgaa tgtccctatt aattgccacc 240
atggtgcgag gctggaatga gggtgtggcc agctaagagg ggatttgctc ttcttgccct 300
agaagttcct cattgtttcc tgtcctgtct tgtgtccagc tgcttagcac acttcctttt 360
ggtatttaat gctttttata gctggaaccc tgaggttcct cagaaatctg cacatgctta 420
ctagatggtg ctctggattt tctttaaaga taggaagaaa aaggcaaagg caggtctgtg 480

acgcttctta c 491

<210> 378
<211> 1042
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (222)..(222)
<223> n equals a,t,g, or c

<400> 378
gaatcggcac gaggaaatat tactgaattt tcttttatta tcaaatacaa atttagcata 60
tcctatgtaa aatgctgatt gccctttttct gcatattatt tcagatcttg ttttctatac 120
ccacaaggat tttctatata tttctcataa acaagagagt ccacatattt actacttacc 180
ttatgagtga acaaaaaaat cacgattggg ttcgcagaac tncaaagttg caccgtgtgt 240
ggctcattag tggaaaaatg ctgctggttg cagatataaa ggctctgatc aggtggctgt 300
ggggccctaa tccagaatga gcacagttat tttgatcaat ggagtctaac ctagtcctcc 360
cccaaggttc aaaatgtcct ctggtgcttg caattttctt acagtatttt tttctaattg 420
ataccaagct gggactctcc tggtatatca tatttggaaa tgaaaagtga aacaaatgag 480
aattttcctt ttgcgttggt gaatgcatac agtgatttaa gtttgggtgc atttctttca 540
gtctgttgat tgttctagga atcgatgctc acagatcaat gagtcatgtc caattcata 600
aacaactgcc tggggtgagt gtggcctcat aaatgtgaac aaatagtaat ggagtggcaa 660
tcaaacctaa agtgttactg caaatcatgc catgctgaaa gaagaaacat ctcaaaaaga 720
gaataaacat ttttagggtc gggtgtggtg gttcatgcct ataatatcag cactttggga 780
ggccaaggca gaaggattgc ttgaggctag gagttggaga ccagcctgag taacatagtg 840
agaccccagt ccttacaaaa aaaaaaaaaa attaacaaag gattgtggtg catgcctgta 900
gtcttagcta ctcgggaggc tgaggaggga agacaacttt aacccgggag ttcaaggttr 960
cagtgctatg attgcaccat cgcgttccag ccttggtgac agagcaagra tctgtctcaa 1020
aaaaaaaaaa aaaaaactcg aa 1042

<210> 379
<211> 1095
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (616)..(616)
<223> n equals a,t,g, or c

<400> 379
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taggacatgt gggttattca aagatctatc cttttgtgct ttgaaatctg aaatgtagaa 180
actgtggcct cactgaggag gagttttaga atatgcaagg gagagatca ggactggatc 240
ttgtatttgg gtaccacatc cagtcccaga cagcatgcta aggcaaggag ctcataaaag 300
ccccaagctc tagctgttgg ctacttatct cctggagcat caggtgagcg cgttcaggct 360
ggggagtcct gatggctgcc tggttgttac aggatgttac agcttaggcc tggggacata 420
gcccagcacc ctccagargt tgtgtctgtt ctttactctt caggttccct ggaggcagga 480
gaggarctgg cctcatttct ggcaggcacc ccactactgt tattgagcaa tcctccaggc 540
tgcagagatg tcagaggagg accctaatgt ctcckgattt tgattatttt gttctttttc 600
cctaggtgtt ttactngcag ataccttgag taccttgtttgtatattcac tttgaaagca 660
cacatttaaa tgtttataag gaaaaggttc taaagacatc cattgatcca ttcattcatc 720
attcagcaaa tacctgttga atacctgctg tgtgctaggc actgcggtgg gcgagccaga 780
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ctatctggga cagggaccat tgcgttttgt cgtatataaa gcagcatgtg tctgcactac 900
agtttgtgtc cgtygcagat gggcaaggat tgagtgcaaa aacttctggg ccaaaagggg 960
ttggcttggg tcaggctgct aagtagctga ggtgaaagca tgtgccaccc ctcctgatac 1020
agggatcctt gctgattgtg tgtgacacca gggcttccc atctgtcagc tgggtttgtc 1080
ctcacagtag ctcga 1095

<210> 380
<211> 427
<212> DNA
<213> Homo sapiens

<400> 380
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atatattctt tcatattctt gctaaaatac tcattgctgg aagtaacaca agggtatcaa 120
atttgtataa acaacagtat gatttagttc tctaatataa taatgcaata taacaaaatg 180
agtccattca actgttgtcc attcaactat accttaatat atattatttt attgatgctt 240
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atgaatgaat ggctgaagtt ttatccttct gaatggatga gtggcctctc tagttcattt 360
tcaagcctcy agggcyatga tacakgtttc ctatttccag atttttcttt atgttctctc 420
tttattt 427

<210> 381
<211> 796
<212> DNA
<213> Homo sapiens

<400> 381
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gaccargtag agtgatgggt tgtacagcac tgttactcct tttccatctc tgtgtcccat 180
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gtaaaagcag aaacagagca caggctgcct gacttctagt ccagtgcttt ttgctcaaat 360
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aggctggagt gcagtggctc aatcatggct cactgcagcc tcaatctcct gggctcaagt 540
gattcttcca ccttagcctc cttgactcac tgggactaca ggtgcacacc accatacctg 600
gctaattttt aaagtttttt gtagagacag ggtctcacta tattgtgcat tctggtcttg 660
aactcctggt cccaagtgat cttcctgcct cggctttcca aagtgctgga attacaggca 720
tcacccccat gcctagcctg aaaattcttt ctatgtcctt aacatcttct ttcccagtat 780
ttctccatcc actcga 796

<210> 382
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (492)..(492)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (494)..(494)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (522)..(522)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (526)..(526)
<223> n equals a,t,g, or c

<400> 382
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ggcctgaaga caggtgttct gatgattctg gcaggggccc ccatttgcct ggcactgaaa 120
ttatattagt atctttactg tatgagcacc gtgcccatca gggcaagctg tgactcctgt 180
caccaaacac tcaggaacca ttgcttttgg ggcctccagg atggtttcat ttgtaggcat 240
ctgccttctg ttggggtcct ttttttctcc ttctctacag gggacaatat ggcaccaccc 300
agcaaaacct gatgggagtg gacatggact accctcattt gcagtaatca tgggcaagca 360
ggtggtaccc acagtgtact ggagaatgcc ctaccctcgw agggggggtc ccggtaccya 420
attcgcccta tagtgatcgt attacaattc actggccgtc gttacaaac gtcgtgactg 480
ggaaaacctg gngntaccca acttaatcgc cttgcagaaa tncccnt 527

<210> 383
<211> 1037
<212> DNA
<213> Homo sapiens

<400> 383
ggcacgagct cgtgccraat tcggcacgag ggtcatagtc cacagaggta aaagttaaca 60
attctgatgc tcttgtatgt gcataccaga ggctctaggg aagaattccc tctttctttc 120
ttccaccttc ttgtggctgc tggcattctt tggcttgtgg tcacatcact cctatcttga 180
aggccagcat cttcaaatct gtttcttctt cacatagcct tctgtgtgtg cagtgccctc 240
tacctctctc ttataaagac atttgtgatt aaatggaggg ttaggataa tctcgtcaag 300
atccttaact taatcacaac tgcaaaaacc tctttcccaa ataaggtaac attcacaggt 360
tccagggatt aggacctatt atctttggta agtattattc agcctaccac aatagctaaa 420
acaattctga aaaagaagaa taaagtgaga gaaatcagtt tatctgattt cgatacttat 480
tgtatagcta tggtaaataa ggctgcatgg tattaaagaa aggacatata tgaatgaaac 540
agaatagagg acccagaaat agacccacac aaaggagccc aaattatttt taaccaaggt 600
agaagacaat ttattggagg aaagacagcc ttttcaacaa atggtactat aacaattaga 660
tatccatagg caaaaaaaaa aaaaagaatc ttgatctaag gctcacacct tatataaaat 720
aatattaaac tcatggccag gcacagtgac tcatgcctat aatcccaata cactgggagg 780
ctgaggcaag agtatcactt gaggccaggg gttcaagact agcctgggca acacagtgaa 840
actctatctc tacaaaaaaa ttataaacta gctgggcatg gtggcacatg cctgtagtca 900
caactactca cgaggctgag aagatcactt aagctgagtt gttcaaggtt ctaatgagct 960
acaatcgtgc cactgcactc cagcctaggt gacagacaaa gaccccatct caaaaaaaaa 1020
aaaaaaaaaa actcgta 1037

<210> 384
<211> 828
<212> DNA
<213> Homo sapiens

<400> 384
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cattagtgat ctcaaatcct ctgcttatga tttttaaact tctgatcttc agaatatttt 120
tccatgagct agctctggct ttgtgcatct caaaccttgt ttctctccca tggctgtcat 180
acttctggtg ccctgagatg cagaatttat ttctacttga tacacacatt tgggtattga 240
tgtagggtta gtacagcagg taggttgaga atttctggag cctccctccc tccctttgtt 300

ctgacctttc cttagtcata tcatcctaga aagatcttcc ctggcttcgt ctaaaacatg 360
gcctctcatt tcattctctc cctgacaacc ctgatgtagt tttcatttca ggactcatca 420
ccccaacatc ctttcctgtt tacagcccat ctcccctgct agaacacaag ctctgagagg 480
tggaaggcct ctattgtggg ttttggcgaa tccccaatct ctagatggtg tctggcatgt 540
gatagagatt caacaaacac ttcaacaaat aatgaataaa gttaaatttt tcagagtgca 600
atcatgcctc tcccttcctc tgccagggcg gaggctgtgc ctggtttgcg cggcttctgc 660
agctccagct ccttgtactg agtctggaga atgatggagc tcagtccatt ttaatcccat 720
gaacattaaa tgcgtggatg tgtggatgct gggatggatg gatgacgctc ctagcacggc 780
agcttgcagg ggattggcga tttccagtaa ggtgtgctaa gactcgag 828

<210> 385
<211> 985
<212> DNA
<213> Homo sapiens

<400> 385
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gtgccagcct ctaatactcc ttccttactc ttcatggaaa ccttgaagag tgattaaaaa 120
tagtactgtt tatgtctctg accacagagc cagtcatttt cagcacttaa ctgaaattgc 180
tcatgatagt gtttctaaca atggccacat aagtggcaaa tcccttaaga attttgccct 240
ctcagcaggt ggcaatctgc caccttttatc tgatcatttc tctcctcctt tggcattgta 300
gacaccattt tttcctggtt atgaccctac ttctctttat cttctttgtc gattgctttt 360
ccactccagg gagttctgtg tttgacacac aggaggtgtg ggtagttgtt tactctgtaa 420
ataagttgtt agccgtgcag cactgccaag gaattgcacc aaatgtgtat gcattagcag 480
ttaagaagag cgtgtgcaat gttagtgaat ggagtctggt catttgtcat ccaatgccta 540
tttagcacct gttatgtgac agataacagg ccggcactcg gatcataacc cggagcaaca 600
tagtcagaaa caaacacaat ttctctcctt ggtaagcctg gtctgttggg aggtttgata 660
agtaaaaaga agactgagar gccgggagcg gtgctcasgc ctgtaatccc agtactttgg 720
gaggccgarg tgggtggawc acctgaggtc aggarttcaa gaccagcctg gccaacatga 780
taaaaccccg tctctactaa aaatmcaaaa cctagccarg catggtggca ggcgcctata 840
atcccagcta ctcgggggct gaggcagaag aatcgcttga acccgggagg cagaggttgc 900
agtaagccga gatagcacca tcgcactcca gcctagggga caagagcaag attcatctc 960
aaaaaaaaaa aaaaaaaaac tcgag 985

<210> 386
<211> 1110
<212> DNA
<213> Homo sapiens

<400> 386
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ctgtcactca gagtttgtgt atctgctgtc tgtggagctc tggaccaggc ttgagggacg 120
cctggggttt ccacccacat ctggggcaaa ccagaccccc aagtcactga catgtcggtt 180
tttctactaa tcacgttggc tttggcaatt ctgtatataa taagaagtat tgtgttctca 240
cttgcacttk ggcagaacgg ttcactccaa ggctgaatga ctgccacggaccatcccca 300
gcaggggtcc tggggtttag tggtttgatt ctgagcacct ctamgcamag agccccttag 360
tgggttccct aactggacgg ctaaccctgs tgtggaatct gactkkwtct ggaccgaaga 420
ggacaggctg ctctggagaa atccttgggc cttgtgcctg atgctggctc gggccaccct 480
ggccaccctc ccttcatgcc ccatgggacc aggcagcagc atgggagggg gcagcttcca 540
gaacaccctt ctgctagggg ctkctggcct ccctgctggc acggccacat ccatggtctg 600
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gggaagggga tggtgtgtgg ggggattgcc tcccttgagg cccccagct cccaggatac 720
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tgtggagtga gaggaaggaa gcaggagtgg agctgagtgt tagtgagagg tggctgagaa 960
ggcggggtcc cgcttcttgc ttccttgggc atttgctgta ggtgctgggt ttcagcctgg 1020

aagggtgcag cctctgcact aagtctggtt tggtgaacgt tcatggcccc caatataaac 1080
agtgttctgg gcgttctttg tgactctcga 1110

<210> 387
<211> 925
<212> DNA
<213> Homo sapiens

<400> 387
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ccactgctga gcattctggg aagctcccag ggccctatca gtgcatggca tggaagctgg 180
aatcacttta tttgaatagt gaagtctaca acaacctctg aagtctgaag acgagaatcc 240
ttcaaggtga caggccttgg cccatccctg aacccttttcc ctcatcctcc caacagtcct 300
tccccaatgc ctcattttct tctacttgta gcaaaaaccattctkatcaa ctcagaaatg 360
aacatgtctc cagagtatag ccaaacatgt ctccagaata cagccattca acatccagta 420
atcaaggaga aggatatgca gccttgggct ggcttgtgcc ctctgcttgt tttgtggata 480
tctggtcatc tccattgtat atcagcactg ctgcaggaga gaggtgtggg agtgtcatta 540
tcttctagat cagatgcctg taaagctgca cacagaattg ggaccagctc cagctaaaca 600
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cacacacaaa cacacacact tagactagaa gagtcattta acatgagaac atgaacatct 780
agagatatgg tttggctata tccccaccca aatctcatct tgaattgtag ctccaataat 840
tcccatatat tgtaggaggg acttggtggg agataattga ataatagggg cagtttccca 900
catgtgttct catggtagtg aataa 952

<210> 388
<211> 956
<212> DNA
<213> Homo sapiens

<400> 388
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gccaaaacat aattcctggc agctccccca ctccccctcc ccctcactct tctgccaccc 120
agagcttggc ccgcctccaa cagcccatgt tctcattctg cagtttccag aagcccaccc 180
tcaaacccag gtcacttccc cagcccctcc agcttctagt ccccgggtcg tgcccatcct 240
caccttcctg ggctgaaaca ccacattagg cacccagatg cctctgcatc tgaaaatctc 300
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gtgggctcgg ttttttctgt ccaggcttaa atgcccaggt ggctgtctct gctggccctt 420
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ccacgccgcc atctcagccc caggcctgag tgtccagctg cttcccagac aacttgcaag 540
tccctcggcc aacactgagc tcagagtcct cctcctccct gccagggtgc gccactacct 600
tccctccagt tttcaccagg tcttgggttc atcctgactc cctccttctt ctctccccgt 660
ccctgccaca cctcactgct cacaagaaag acatcactgt gtccgttctc ctttttttctt 720
ttcttttctt ttttttttttt ttttttgaga cagggtttcg ctctgtcttc caggctggag 780
tacagtggtg cgatcttggc tcactgcctc ccaggttcaa aaaattctca tgcctcagcc 840
ttccaagtag ctgggactac aggcacgcgc taccacaccc agttacattt ttttgtgtat 900
ttttagtaga gatggctttt gccatgttgg ccatggctgg tctcaaactc ctggcc 956

<210> 389
<211> 742
<212> DNA
<213> Homo sapiens

<400> 389
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ataagcacac ctgtctcccc agtctccctg cctggctcac tgggcaggca aatgtgtggg 120

aggtgattgc aaaggtacca gatttgccaa atatacgctt gcaattaaat ccaaaggcct 180
gtcccacagt tgcttgactt tttttaaagg ccaatttatc ctccttttctt aaagactaaa 240
caatttttcc acttcattta ttaaaataaa gctctttaac ttgcacgctt ttagacaaaa 300
gcaacagtac tctgaaatga ccccatcact tctcagtgag aagctgtgct ccctgttctt 360
tgtgcttctt gggattgcaa gtgcggcctt tgtgagtgct ctgtgggcct ggagcagcca 420
cacggaaagg ctcacagctg aacccagcag tagcatcacc tgcctttccc caccctggtt 480
ttttttccct ttctaatttg gggtcctctt atagctcctc aaatacaatg tactcgtgtc 540
cctcagagcc actgcacaga ctgtcccctc tccctaaaga gaccccgctc ttactctccc 600
cctcccctac ccmacccagt cagccagctg aactctggtt catcttctgc atccgggtga 660
aaggtcacct tccttgccag tcaaccccca ccctcccact gcagtcatca gagatgagca 720
gcctctaaaa cctgccctcg ag 742

<210> 390
<211> 1298
<212> DNA
<213> Homo sapiens

<400> 390
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cacagagtgg cacccagcca gcgtgaatgc ataagaatct gcacgtgaca cagaagaaag 120
tctcttcatg aagtaggttt cactggtccc agccaaaccc tgtggcatgt ggccctttct 180
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aaactggaaa cctcagcatc ctgaaatgcc tcctccccaa atccattgca cacatgtgtg 300
cctgtgtatg cgtgtgtgtg cacgtgtatg aacccagccc ccagctgccc actccattgc 360
ccctaaacag gccccctctt ggtgtcacct ggcacatctc cactggaagc caaatggata 420
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acgctccaaa tgagccgcca ctgcagaaac tcattatggc ccgggcaga ctggcacatc 600
caagtatctg accaggctgt tccatctgcc aggcaggtcc tgccctctct ccacccacct 660
gtctaacccc tgcatcctca agaccctact tagctatggc cctgtgtgaa aggtccctcc 720
ccatgtaccc acagccattt gttctctctc atgtggccct aacaggctgg ggttcctgga 780
gactccatgg ggagccaggc atgaagatgg catataccca tgtgtcactc cccagaacgt 840
gagctgcctg ccctggcacc atacacaaag ggactgacag ccccagaatc ccaaggggtg 900
cacctatgca tatgggaaag gcatgtttac gggtgagaat ggtccatcgt tgggcttcag 960
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tcacacgggt ggattggggg gctgtgtcac gggatcttag gatcttcaag acaaagaccc 1260
aggacaagaa cacaagccca ctcccattct tcacaggc 1298

<210> 391
<211> 905
<212> DNA
<213> Homo sapiens

<400> 391
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gttatcttcc aaaaacacag aatgaatcag ctcactctcc tcaagactct taaatggtcc 180
ttcattactt gttgagaaaa gcccagactt gtttagtgga gcaattaaac tccccacaat 240
ttatctgcca gaagactttc tggaaccatg tatggttttt ttgccctcca acttacagtc 300
ttattggtcc attatttttt tctcatcatg ccacacattt ttgtgtcagg taattttagt 360
cttttggcct tgttcttact atcagccaac ttcatagttg aagtccagag ttggttgttg 420
ttgttgttgt tttttatcka tttaggtagg agttacatt tttatttgct ttgtgacagc 480
attattttct gacacatttt cttcatattc ttttaaagag tttctttttt aaacccatgt 540
tattcaaggt taaacaaata acgagtttct ttgtttggat gttatgctta cacttacttg 600

aatatgttgt ttttttcca gactagccat tagcaagatt cctgtggagt gagggagtgc 660
ccagggtagt tctccagatt attctgctca aattcttcct cttctcatgc tgcagtgatg 720
aattatttct tcaaaactat gaccccactg tgtagctcca cctttccttg ttctcacaag 780
agtgtacaaa atcgttgagt cttctgagcc atggctaaca agaatcctag ctactgcctt 840
ccactatatc tttccctttt taaaaggagc atttctgag tttagtcatc tcaggccttc 900
ctcga 905

<210> 392
<211> 762
<212> DNA
<213> Homo sapiens

<400> 392
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tgacgtgcaa aggctatttc ttgaatttta ttaaaatgca aaaagatgca tccatgtctt 120
ctctaaaagg actgcgtatt cctccacact tggggaaatg cagcttgtgc tatttcacag 180
gctcatcatg ccccttttt ttgccaggac gctggttgat taatgccatg cttggggagt 240
gctccagcca gaaatgaggg ctatcgcctg tggccaataa cagagcagat tctcaataaa 300
catccccttg gtgttacact taatggggct tgcttttcca aactgctccc tttcctgggc 360
tctgagcagc tgagccgaga gctcgtaagc tctgctgccc cagaacattg tgcattcytt 420
gattttgaaa artctttcct gaagsctcct cttgggtcat tggatcagcc caagagcaaa 480
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ctgccatttc ctcccaattg gctgggccag atgctccaga cacagttaat gagatgctga 720
gtgaaacaga gccgctggct cacatggcct cagcctcctc ga 762

<210> 393
<211> 725
<212> DNA
<213> Homo sapiens

<400> 393
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gtatattctc actactttac aggctaaaaa tctgaggcac agaaaagtta ctgaagctcc 120
aaggtcacac tgtgtaccat aagtggaaga gctaggatgc aaacccaggc agccgggttc 180
cagagcagtg ttctaactac taccctctgt tgcctctcat tcatcccatg accttctttt 240
gtcttaccta cactgggatg tgtttgggac atgcattttg cttgttgcta tctcattctt 300
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<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA
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<212> DNA
<213> Homo sapiens

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<212> DNA
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<223> n equals a,t,g, or c

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<222> (59)..(59)
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<212> DNA
<213> Homo sapiens

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<210> 406
<211> 2163
<212> DNA
<213> Homo sapiens

<400> 406
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ggaaccgcag cggcggccac ggctactggg acggcggcgg ggccgcgggc gctgaggggc    180
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ggg 2163

<210> 407
<211> 1979
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (968)..(968)
<223> n equals a,t,g, or c

<400> 407
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atcccacgca ggactggctt cggccgccgg ggccagcagc ttgcracgtg tcccngggga 180
ggcggaatcg ctgtgcgccc tgagcccggg ctcagccctt cgctttccag ctgcgtcctg 240
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acactttata ttttcatgaa ctctaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaa 1979

<210> 408
<211> 2087
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1)
<223> n equals a,t,g, or c

<400> 408
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<210> 409
<211> 1811
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)..(22)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (37)..(37)
<223> n equals a,t,g, or c

<400> 409
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ggggggggccc g 1811

<210> 410
<211> 642
<212> DNA
<213> Homo sapiens

<400> 410

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<210> 411
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)..(9)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (19)..(19)
<223> n equals a,t,g, or c

<400> 411
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catagccccc aaatcagctt tttcagctat aatttagtaa gtctaatgtg ttcgactgaa 240
gtacttttt tttgtaataa caagtgaaaa ataatgaaga gtgtgtcctg gcgcatggct 300
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aattagccag gtgtggtagt gcatgtctgt aatcccagct acttgggagg ctgagacagg 480
agaattgctt ggacctggga ggcggaggtt gcagtgaggt gagttgcgg cattgcactc 540
cagcctggac aacaagagtg aaactttgtc tcaaaaaaaa gaaagaaaaa aaaaaaaaaa 600
actcga 606

<210> 412
<211> 1118
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (482)..(482)
<223> n equals a,t,g, or c

<400> 412
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ctacaaaaaa tttaaaaaaa aaaaaaaagg gcggccgc 1118

<210> 413
<211> 830
<212> DNA
<213> Homo sapiens

<400> 413
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ctttttttt ttttttgagg caaggtctca ctgttgttga ggctgaacct cctgggctca 660
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<210> 414
<211> 755
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (640)..(640)
<223> n equals a,t,g, or c

<400> 414
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<210> 415
<211> 1939
<212> DNA
<213> Homo sapiens

<400> 415
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<210> 416
<211> 1776
<212> DNA
<213> Homo sapiens

<220>
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<222> (9)..(9)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (24)..(24)
<223> n equals a,t,g, or c

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<210> 417
<211> 682
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (624)..(624)
<223> n equals a,t,g, or c

<400> 417
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aaaaaaaaaa aaaaaactcg ag 682

<210> 418
<211> 739
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (649)..(649)
<223> n equals a,t,g, or c

<400> 418
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aaaaaaaaaa aaaactcga 739

<210> 419
<211> 1126
<212> DNA
<213> Homo sapiens

<400> 419
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cacaaagata attcttggca ctaagcttaa aaaaaaaaaa aaaaaa 1126

<210> 420
<211> 851
<212> DNA
<213> Homo sapiens

<400> 420

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<210> 421
<211> 747
<212> DNA
<213> Homo sapiens

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<210> 422
<211> 2520
<212> DNA
<213> Homo sapiens

<400> 422
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<211> 1462
<212> DNA
<213> Homo sapiens

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<210> 424
<211> 1635
<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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<210> 431
<211> 2406
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1934)..(1934)
<223> n equals a,t,g, or c

<400> 431
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aaaaaa 2406

<210> 432
<211> 1669
<212> DNA
<213> Homo sapiens

<400> 432
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<210> 433
<211> 1491
<212> DNA
<213> Homo sapiens

<400> 433
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 1491

<210> 434
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (249)..(249)
<223> n equals a,t,g, or c

<220>
<221> misc_feature

<222> (548)..(548)
<223> n equals a,t,g, or c

<400> 434
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ccggctagag gaagaggcgt tgcggcgaaa ggaacggctg aaggccctac gggagaaaac 120
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tcgggcangc aattcccttg gaacaagggc a 571

<210> 435
<211> 2087
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (56)..(56)
<223> n equals a,t,g, or c

<400> 435
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<210> 436
<211> 1409
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1180)..(1180)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1384)..(1384)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1392)..(1392)
<223> n equals a,t,g, or c

<400> 436
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<210> 437
<211> 2571
<212> DNA
<213> Homo sapiens

<400> 437

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<212> DNA
<213> Homo sapiens

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<211> 1837
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc_feature
<222> (987)..(987)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1037)..(1037)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1312)..(1312)
<223> n equals a,t,g, or c

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<211> 1188
<212> DNA
<213> Homo sapiens

<220>
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<222> (892)..(892)
<223> n equals a,t,g, or c

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<210> 441
<211> 3369
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (39)..(39)
<223> n equals a,t,g, or c

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<210> 443

<211> 2499
<212> DNA
<213> Homo sapiens

<400> 443
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<213> Homo sapiens

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<211> 1945
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<213> Homo sapiens

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<211> 599
<212> DNA
<213> Homo sapiens

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gcaggaggtg agtgaggagc cctgtggcgt gctggtgtgg ggatcgtggg cattcaaac 540
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<210> 453
<211> 978
<212> DNA
<213> Homo sapiens

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<210> 454
<211> 528
<212> DNA
<213> Homo sapiens

<400> 454
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taacccttc atttaccaac gtggaaattg aagcccaggg aagggaaggg accggtcgtg 360
gaagggagag ccatcagcag aaagagaccc tgagatcttc gcctgggatt cccaggaagt 420
ccagcccgag ctgattcaca gaataaatgc atgcaaacct tgcatcaat aaattacaca 480
tgcacttacg taaaacacat aaaaaaaaaa aaaaaaaaaa aaaaaagg 528

<210> 455
<211> 625
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (11)..(11)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (43)..(43)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (46)..(46)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (68)..(68)
<223> n equals a,t,g, or c

<400> 455
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gtacccaatt cgccctatag tggag 625

<210> 456
<211> 597
<212> DNA
<213> Homo sapiens

<400> 456
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cattagaaaa tgaattgatg tgttccttaa aggatgggca ggaaaacaga tcctgttgtg 180
gatatttatt tgaacgggwt tacagatttg aaatgaagtc acaaagtgag cattaccaat 240
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ccctcaaaac aaagctgttg taatatctga tctctacggt tccttctggg cccaacattc 480
tccatatatc cagccacact catttttaat atttagttcc cagatctgta ctgtgacctt 540
tctacactgt agaataacat tactcatttt gttcaaaaaa aaaaaaaaaa aactcga 597

<210> 457
<211> 665
<212> DNA
<213> Homo sapiens

<400> 457
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ataaaccaga agagctagaa aataatgtag atcagatctt gaaatggatt gagcagtgga 240
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attac 665

<210> 458
<211> 723
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (722)..(722)
<223> n equals a,t,g, or c

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gaatgccttt gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
ang 723

<210> 459
<211> 2466
<212> DNA
<213> Homo sapiens

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<211> 1739
<212> DNA
<213> Homo sapiens

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<211> 1139
<212> DNA
<213> Homo sapiens

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<210> 462
<211> 2648
<212> DNA
<213> Homo sapiens

<400> 462
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<213> Homo sapiens

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<213> Homo sapiens

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<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1)
<223> n equals a,t,g, or c

<400> 465
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<210> 466
<211> 1274
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (722)..(722)
<223> n equals a,t,g, or c

<400> 466
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<210> 467
<211> 1217
<212> DNA
<213> Homo sapiens

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<211> 1656
<212> DNA
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<211> 990
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (834)..(834)
<223> n equals a,t,g, or c

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<210> 470
<211> 2543
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2538)..(2538)
<223> n equals a,t,g, or c

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<213> Homo sapiens

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<211> 559

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<211> 1414
<212> DNA
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<212> DNA
<213> Homo sapiens

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<211> 1747
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<213> Homo sapiens

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<212> DNA
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<210> 481
<211> 1941
<212> DNA
<213> Homo sapiens

<400> 481
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<210> 482
<211> 1510
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (426)..(426)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (454)..(454)
<223> n equals a,t,g, or c

<400> 482
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gcctgtcaag aagatattta actatatgat acatgtgaat cgaaacatca tggatttcaa 180
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aaagccctac tttctattac tcctcgggaa ctgtgctagg tgttctaatg acatagtctt 300
tgtcttgctg ttggtgaaaa gattcatccg aagtatagca ccttttgggg ctctaatggt 360
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aaaaaaaaaa 1510

<210> 483
<211> 805
<212> DNA
<213> Homo sapiens

<400> 483
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gttttgtgtg agaggtggct gacagcaggt tgtttgctgt atgtaggagt tatccagccc 180
tgcaagggca gtccctccag tgtctgcaaa gcccgaagat gtctgcatcc aaaatacaga 240
ataaaaagat atggttacta caagtactca gtaagactga taatctgtca tcatcatcct 300
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actttattaa tggtgggtgg aagttaactt aatgtatgta tgcaaactaa aaagtggcat 420
ccttttcatt aatgacccaa ccattattca agagctatgt ctagttaggg acttcagact 480
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ggattctgag aagaaatatg caaggtggaa aagagcctag aaagaaaggt gacagatgct 720
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ccacttaaaa aaaaaaaaaa aaaaa 805

<210> 484
<211> 1182
<212> DNA
<213> Homo sapiens

<400> 484
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cctggatcag ggaagactat cttggctctt aggatcatgg agaagatcag gaatgtgttt 240
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tttgaacaca tccagcacat tatcattgat gacgctcaga atttccgtac tgaagatggg 420
gactggtatg ggaaagcaaa gttcatcact cagacagcaa gggatggccc aggagttctc 480
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cagaccagta tccaagagaa gagatcaaca gagtggtccg caatgcaggt ccaatagcta 600
attacctcaa caagtaatgc agaagcccga caaaatcctc cacctaacct ccccccctggg 660
tccctggtga tgctctatga acctaaatgg gctcaaggtg tcccaggcaa cttagaagtt 720
attgaagact tgaacttgga ggagatactg atctatgtag cgaataaatg ccgttttctc 780
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aaaagacatc tgtatattct gaaggcttct gtgtgacagg aaacccaagc ttaagaaaca 1140
attaagtggt tctcatctct aaaaaaaaaa aaaaaaaaaa aa 1182

<210> 485
<211> 600
<212> DNA
<213> Homo sapiens

<400> 485
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ttgctttcag aaagacagct tccaagattc aagcccaggt ggtgccggtc ttttttgga 180
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tggctttctg caatctctca agggctgttt tgcctggaaa caggacgatg gagacagaga 480
cctatcagct gtgggcatct caatatcagc ggaaatgggt atcaagaagt ctcagccagg 540
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<210> 486
<211> 777
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (274)..(274)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (278)..(278)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (295)..(295)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (676)..(676)
<223> n equals a,t,g, or c

<400> 486
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cttgggttta tttatatgag ccggtaaaat ttcgtcacc attaatttat gttaatttac 240
caacttctta aatgagaaca gtgagaattt tctncatngt taataataca ctggncagtg 300
catatatgca tcacgaagag aggattttcc cattgataat agatttccaa atacatcttc 360
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atacggccag gcgcgatagc tcatgccttt aatcccagca ttttgggagg ccgaggaggg 660
cagatcacct gaggtncagg agttcgagac cagcctggct aacatggtga aacccagttt 720
ctactaaaaa aaaaaaaaaa aaacttcgag gggggggtccc ggtacctaat cgtccct 777

<210> 487
<211> 1037
<212> DNA
<213> Homo sapiens

<400> 487
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tggactattt catcccctgt ttctatcatg acagtgcctt ctctcatatt gaccctcttg 180
ccttataaga ttccttgtga ttacactggg tccacctgca taatcaaggc taatctctcc 240
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cacttgctac cccattgtct gggtagttca taccagtcct caagactagc ctcaggcatg 480
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<210> 488
<211> 727
<212> DNA
<213> Homo sapiens

<400> 488
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ttctcgatga tttcagagcc ttcattctga gcatcagtta tatgctctcc agtgtaatga 480
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cagatcactt aagcccagga gttcaagccc agcctgggca acatgatgaa agcccatctc 660
tacaaaaaaa aaaaaaaaaa actcgagggg gggcccggta cccaattcgc cctatagtga 720
gtcgtat 727

<210> 489
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (553)..(553)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (560)..(560)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (589)..(589)
<223> n equals a,t,g, or c

<400> 489
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ttactgggtc ctcaccgtst tcttcctcat tatctacata acaatgacct acaccaggat 180
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tacatatttc agttttawag catggagawc caggaccata cagtgattta ccattttgat 420
aattaaaagg aaaaaaaaag gaagactctc actgtaaaaa cagctgtagg tataatgtat 480

attcccagag aattgtattt aactaattaa tgtttttttat attcttaaat ttgctcacaa 540
attgtggttt gtnacaattn aactgggtta ctttatttgg caagtgttnt aggcttttaa 600

<210> 490
<211> 1242
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (288)..(288)
<223> n equals a,t,g, or c

<400> 490
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gctcatctgt atgcttcctg tttgtgtttt taaactttta ctatatcttt atgtcctcat 180
aagaatatgt actatcattt ggtgttttaa agtgtacata aatgctgtca tcctgaacaa 240
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<210> 491
<211> 970
<212> DNA
<213> Homo sapiens

<400> 491
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ggaaaawggc agagggtgaa gatggggtgt ctggtttggg gaccatcctg gcccccttg 180
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<210> 492
<211> 1388
<212> DNA
<213> Homo sapiens

<400> 492
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aaaaaaaa 1388

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<211> 649
<212> DNA
<213> Homo sapiens

<400> 493
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<210> 494
<211> 1699
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)..(9)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1692)..(1692)
<223> n equals a,t,g, or c

<400> 494
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<210> 495
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (424)..(424)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (430)..(431)
<223> n equals a,t,g, or c

<400> 495

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<210> 496
<211> 1537
<212> DNA
<213> Homo sapiens

<400> 496
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<210> 497
<211> 1782
<212> DNA
<213> Homo sapiens

<400> 497
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<210> 498
<211> 574
<212> DNA
<213> Homo sapiens

<400> 498
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gaatatttgt aagtctacta taaaaaaaaa aaaa 574

<210> 499
<211> 795
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1)
<223> n equals a,t,g, or c

<400> 499
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<210> 500
<211> 1742
<212> DNA
<213> Homo sapiens

<400> 500
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aa 1742

<210> 501
<211> 1443
<212> DNA
<213> Homo sapiens

<400> 501
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gag 1443

<210> 502
<211> 462
<212> DNA
<213> Homo sapiens

<400> 502
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<210> 503
<211> 2541
<212> DNA
<213> Homo sapiens

<400> 503
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<213> Homo sapiens

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<212> DNA
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<213> Homo sapiens

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<210> 521
<211> 1397
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1383)..(1383)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1396)..(1396)
<223> n equals a,t,g, or c

<400> 521
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cgtggctttg ccaaagactt ttaatagcat tttttaagtg caaaacgtct aggtaaaaat 180
ctttatcatc agtgaccaaa ttagaatgta tttaatatag taggtggttt aagaactgtt 240
ttaacgtaag acaaactgat agcaacattc tgttgtttta aaggaagtgg gtccgtgaca 300
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tangcgtgca tgcgana 1397

<210> 522
<211> 931
<212> DNA
<213> Homo sapiens

<400> 522
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atctgtgggg ccttttttact gctcagagac aaaagaaaga ggagagcacc gaagaagtga 180
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ttttgcaaac ttaaaaaaaa aaaaaaaaaa a 931

<210> 523
<211> 1044
<212> DNA
<213> Homo sapiens

<400> 523
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ctaaagtgct tcctagggtg ggcggtggtg gcaggaggcc ttggacggag tcaggccaga 180
cccagcctcc tgtttaatag gctgagccca agcgtccctc agatgcgaat ccaacagcct 240
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aaaaaaaaaa aaaaaaaact cgag 1044

<210> 524
<211> 1143
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1100)..(1100)

<223> n equals a,t,g, or c

<400> 524
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acaaccgggg cgatggcacc tttgtggacg ctgcggccag tgctggtgtg gacgaccccc 180
accagcatgg gcgaggtgtc gccctggctg acttcaaccg tgatggcaaa gtggacatcg 240
tctatggcaa ctggaatggc ccccaccgcc tctatctgca gatgagcacc catgggaagg 300
tccgcttccg gggacatcgc cttcacccaa gttctccatg ccctcccctg ttccgcacgg 360
tcatcaccgg ccgactttga caatgaccag gagctggaga atcttcttca acaacattgc 420
ctaccgcagc tcctcagcca accgcctctt ccgcgtcatc cgtagagagc acggagaccc 480
cctcatcgag gagctcaatc ccggcgacgc cttggagcct gagggccggg gcacaggggg 540
tgtggtgacc gacttcgacg gagacgggat gctggacctc atcttgtccc atggagagtc 600
catggctcaa ccgctgtccg tcttccgggg caatcagggc ttcaacaaca actggctgcg 660
agtggtgcca cgcacccggt ttggggcctt tgccagggga gctaaggtcg tgctctacac 720
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gatcctctac ccccgggatg aggacacact tcaggaccca gccccactgg agttgggcca 960
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gaccaacaag aagtgcagtn cggggctacg agtcccaacg aggatggcac atacgggctt 1140
gtc 1143

<210> 525
<211> 791
<212> DNA
<213> Homo sapiens

<400> 525
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ttaaatgaga atatcaaggt gtaatatctc cctagaaatt gtctcacctt caatactatt 180
gacatttttg gacctgataa ttttgttgtg ggctctagcc tcatgttata ggaggtttac 240
cagttttcct gccctaaact taccggatgt gaatagcaca ctccactacc tacagcagta 300
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ttgagaccgt gttgttgaaa ataaaacaaa aactttcaca tcaataaata tgttaggctg 420
tgtatgttaa ggattaacat taagacaata tggagcaagc actacatgaa agcagtgacg 480
attggggaat tagtggcaca ttatcctaat agttaatata gtgactgtaa tatctaaata 540
tcatcctata gagtttttct tagatttttt cattagtata acaggatgtt gtgtatgtta 600
cactgtatat actgttattt tgagagacaa ttttgggaat tttgccaagg tattttcaat 660
tataggtctt taatacattc taagcaagtg ggtctcaaaa atgggaattt tacaccccac 720
attcttcttc ccatccggtg gacatttgtc aatgtgcgca aatatttctg attaaaaaaa 780
aaaaaaaaaa a 791

<210> 526
<211> 2425
<212> DNA
<213> Homo sapiens

<400> 526
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gagtaagcca gagcggtgtc cagcgcggtg tagccgcagc cgccgctgtc aggcgcagca 180
acggacaacc ccgtagaagt cggtcggcag gtcctctcca acccgccgct accgcgccgc 240
tgtgggagag accccagcag gagcccaagg gcagctacgg gggcgcgaag gccgctggcg 300
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ccctcgaagt tggagctgcc agtggttgcc aatcctgata ctgttgctgg gcacaggcca 420
tgggccaggg gtggaaggcg tgacacacta caaggccggc gacctgtta ttctgtatgt 480
caacaaagtg ggaccctacc ataaccctca ggaaacttac cactactatc agcttccagt 540
ctgctgccct gagaagatac gtcacaaaag ccttagcctg ggtgaagtgc tggatgggga 600
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aattaccaaa ataaaattta ttaag 2425

<210> 527
<211> 1543
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (76)..(76)
<223> n equals a,t,g, or c

<400> 527
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acttcagcac agttctagtc ctgcttctct ggagtagggt tgttgagtaaggttgcttgg 180
gttgtgcatt gcacaagggc acatggctgt gaggtgtatc ctggcggggg gctgtctacc 240
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gtgggatggg acttggttga ctacatttaa ggtaaggtgg acccagcaac tcccagaaac 540
aactccgggg acaccactcc ccatcacact ccacaccgag cctgtgccc ggtctgtgcc 600

cgagctcagc gggaccagga agggatgggc cctgccaggg ttgcccctgc actgtgcatt 660
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<210> 528
<211> 1174
<212> DNA
<213> Homo sapiens

<400> 528
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gctcctctcg ctgtgggcgc tgtgcacagc ctgccgcagg cccgaggacg ctgtagcccc 180
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<210> 529
<211> 1766
<212> DNA
<213> Homo sapiens

<400> 529
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ttagaaaaat tgcaagtagt ggtatattgt aattggcatg cactatatga gcagagtcaa 120
tgtgtctcct tgtagaatat tctctgatga tactcactat tatcccctct ctgctaagct 180
ttgttctgtg tctgaagggc ataaagcatg gaaactacat ttttcagact ccattaccag 240
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gttcatttct gtgcttcagg aaactaagac catcactggc agtttttgtt gagggatcct 540
tgtgcattca tttttccttа aaacagcctt cctaactttt actccccccag cctctatggt 600
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gaagagtgtc aaatagaatt ttcaatctgt gtataaggat acttaagcat tttttaagga 1560
aagcagaaag aagcatgaga aagtctacaa tgacatctat gtcaatataa caagctggat 1620
atttagagaa gaaactcttg attaaatact ttttatgata tgaacacaca catataatat 1680
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aaaaaaaaaa actcgagggg gggccc 1766

<210> 530
<211> 1021
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (248)..(248)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1004)..(1004)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1014)..(1014)
<223> n equals a,t,g, or c

<400> 530
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<212> DNA
<213> Homo sapiens

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<212> DNA
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<212> DNA
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<211> 1407
<212> DNA
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<223> n equals a,t,g, or c

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<211> 1097
<212> DNA
<213> Homo sapiens

<400> 539

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<210> 540
<211> 3466
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<211> 1238
<212> DNA
<213> Homo sapiens

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acaagtaaat gattataaat actaaaaaaa aaaaaaaa 1238

<210> 542
<211> 1304
<212> DNA
<213> Homo sapiens

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<222> (1)..(1)
<223> n equals a,t,g, or c

<400> 542
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<210> 543
<211> 1926
<212> DNA
<213> Homo sapiens

<400> 543
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<210> 544
<211> 1773
<212> DNA
<213> Homo sapiens

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<211> 1481
<212> DNA
<213> Homo sapiens

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ataaatatta tccacataaa aaaaaaaaaa aaaaaactcg a 1481

<210> 546
<211> 1147
<212> DNA
<213> Homo sapiens

<400> 546
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<210> 547
<211> 1341
<212> DNA
<213> Homo sapiens

<400> 547
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<210> 548
<211> 912
<212> DNA
<213> Homo sapiens

<400> 548
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aggggaggaa gacgaaggga tgcagctgct acagacaaag gactccatgg ccaagggagc 180
taggcccggg gccakccgcg gcagggctcg ctggggtctg gcctacacgc tgctgcacaa 240
cccaaccctg caggtcttcc gcaagacggc cctgttgggt gccaatggtg cccagccctg 300
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cccaagtcat gactcagacc aggtcccaca ctgagctgcc cacactcgag agccagatat 840
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cttgttcctg ag 912

<210> 549
<211> 563
<212> DNA
<213> Homo sapiens

<400> 549
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gaagtcggcg atccatgaat ctccactact tacttgctgt gatccttatt ggtgcggctg 180
gagtttttgc ttttatcgat gtgtgtcttc aaagaaacca cttcagaggc aagaaggcca 240
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ctctcttcct tgtcttcttt ctggaatggt tttcttttcc attttcatta ccacctttgc 480
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aaaaaaaaaa aaaaaaaaaa aaa 563

<210> 550
<211> 413
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (407)..(409)
<223> n equals a,t,g, or c

<400> 550
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aatctttatg gcaaatgccg ttacagatgc tccaagaagg aaagagtcta tgtttactgc 180
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ttttaactgc tttgaagcct gaagccatga aaatgcagat gaagctccca gtggttccc 300
acactccatc aataaacacc tctggctgaa aaaaaaaaaa aaraaaaaaa araraaaaaa 360
aagaaaaaaa actcaagggg gggcccggta cccattcgcc ctatgtnnnt cgt 413

<210> 551
<211> 1306
<212> DNA
<213> Homo sapiens

<400> 551
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atcttcaacg cttcctacaa gaagtaccta gatagggagt gggaggaaga gccactcagg 180
accaagactc tgccagcagc tctccttgcc agggagtcta catggctctg aatccgtgtg 240
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<210> 552
<211> 754
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1)
<223> n equals a,t,g, or c

<400> 552
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ctgtgtttgg tagccactac atcttccaaa atcccatcca tcactgaccc acactttata 120
gacaactgca tagaagccca caacgaatgg cgtggcaaag tcaaccctcc cgcggccgac 180
atgaaataca tgatttggga taaaggttta gcaaagatgg ctaaagcatg ggcaaaccag 240
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acggcttggt ataatgaaac ccaattttat gattttgata gtctatcatg ctccagagtc 420
tgtggccatt atacacagtt agtttgggcc aattcattt atgtcggttg tgcagttgca 480
atgtgtccta accttggggg agcttcaact gcaatatttg tatgcaacta cggacctgca 540
ggaaattttg caaatatgcc tccttacgta agaggagaat cttgctctct ctgctcaaaa 600
gaagagaaat gtgtaaagaa cctctgcaaa aatccatttc tgaagccaac ggggagagca 660
cctcagcaga cagcctttaa tccattcagc ttaggttttc ttcttctgag aatcttttaa 720
tgtcatttat atacaaaaga aattctcaaa tgtt 754

<210> 553
<211> 1028
<212> DNA
<213> Homo sapiens

<400> 553
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cgggctgtga ggttcatacc gtgctgatag cactcgtggt gtctgtgaaa tgtgggtaag 120
acattcaaac ctggttttga tactggaaac tcttccttta aaactgtgac catgatttca 180
ttcagcccct ccacacccct atgtctgcct tgtttcagag tgagttttct atggagcctg 240
tggccctttt gcagcccacc tggtggcttc ttaatgtaac tcttcccctg gtcgcctgga 300
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acctggctgc tgcaggccaa ggccgctgtt cagtgaagag tcccatgttt agtatggact 540
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acaatgtaca cttggatatt tctccttatt tagtttctag tgaaacaaat caagtaagga 720
actatcttta gtttagatgg aattatttgt ttttaattgt tgccgtattc atctatatag 780
ctaatatttc aagataagta atgaacaaaa cctgtctaaa ccttttgttt ccaatgaatg 840

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atacataatt tggccaaaaa taagaaattg gaaagaatga aatgtttagt ttatagtaga 960
agaaagatga tgacactaag ttgtgaaaat atgttgtgat ttttatgaaa taaactcacg 1020
gcacgtag 1028

<210> 554
<211> 450
<212> DNA
<213> Homo sapiens

<400> 554
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aaacttcctt ctgctctttc tggaggatct cttttcaatt atctattcat catatatttc 180
ttatcttctg tgcacaattg acaactcttc tttacagcac attcctctty attcccatct 240
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aattggatga gaaagargga gargaaaact ggcaggarga tctggsccca tgcccgaagc 360
cagcacatct ctcttcagac ctggtgaccc cagccactgg gaacctggca ggcaccagct 420
acagtgttgg acactgctcg tgccgaattc 450

<210> 555
<211> 978
<212> DNA
<213> Homo sapiens

<400> 555
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catcttcctc atcgccggag ctttcttctg gttggtgtct ctactgattt cgtcccttgt 180
ttggttcatg gcaagagtca ttattgacaa caaagatgga ccaacacaga aatatcgct 240
gatctttgga gcgtttgtct ctgtctatat ccaagaaatg ttccgatttg catattataa 300
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caaccagcgc tccagataac ctcagggaac cagcacttcc caaaccgcag actacatctt 840
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<210> 556
<211> 1075
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (79)..(79)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (604)..(604)

<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (656)..(656)
<223> n equals a,t,g, or c

<400> 556
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tgatgactgt cggctggctg cttctggcgg gcctccagtc cgcgcgcggg accaacgtca 180
ccgctgccgt ccaggatgcc ggcctggccc acgaaggcga gggcgaggag gagaccgaaa 240
acaacgacag cgagaccgcg gagaactacg ctccgcctga aaccgaggat gtttcaaata 300
ggaatgtcgt caaagaagta gaattcggaa tgtgcaccgt tacatgtggt attggtgtta 360
gagaagttat attaacaaat ggatgccctg gtggtgaatm caagtgtgtt gtacgggtar 420
aagaatgccg tggaccaaca gattgtggct ggggtaaacc aatttcagaa agtcttgaaa 480
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ctgatgcagc cctaattttt gtgctgacca taggagtcat tatctgtgta tttataattt 780
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gatgtttgaa tgatatataa caaaccaaag gatattacag aatattagat tcattattac 1020
aaaaataaaa tacacattga aatactttaa aaaaaaaaaa aaaaaaaaaa ctcga 1075

<210> 557
<211> 738
<212> DNA
<213> Homo sapiens

<400> 557
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cctgcccaca gctccagccc tgagacgacg aggaggagag tcgactttgc ctcttgccca 180
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agagagcgag gacaagtatg tcttcctggt ggtcaagaca ctgcaagccc agcttcaggt 420
cacaaatctt ctggaatacc ttattgatgt agaaattgcc cgcagcgatt gcagaaagcc 480
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ctgcagcttt ttggtaggag cacttccctg gaatggtgaa ttcactgtga tggagaaaaa 600
gtgtgaagat gcttaatggt gttttgaggc atccctccaa cctctgtgac tactttatcc 660
atgaaaatga agcaatggca ggtgggaggc tcttcccaat gtgctttctt caaaaaaaaa 720
aaaaaaaaaa aaaaaaaa 738

<210> 558
<211> 752
<212> DNA
<213> Homo sapiens

<400> 558
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cctatggccc tactggcaga gaggaaggct atgaaaccca gtctaggcct gcgcctagaa 120
gaagaagaag aagaaacacc ttttgaagaa cagagagcag tctctgtcat accaggrgta 180
cctgtcacat acttgtagaa caaaaataag taacatttta attattgaaa caatgtaaca 240

actttaaaca cagtttcata actaggagtg aatcacccat aatctcatac ccggaacaaa 300
atatctgtta gtatgatgca cctttacata gctgtaatct taaagggcat gtacttcctt 360
ctttgctttc ctttttttt ttcttcatcc tttccctctc tccctctctc cctctctccc 420
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atagtgggac aagcgctgtg atagaaataa atacagagta ctgtggcagt ccttacccag 660
aaaaagatat ctagggtaga tggtatctga actgagaatt aaagaataaa tagaagatag 720
catggcaaaa aaaaaaaaaa aaaaactcgt ag 752

<210> 559
<211> 1748
<212> DNA
<213> Homo sapiens

<400> 559
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tcttattttt gaactcctaa actttctggt agaaatcttc agttgaaaat atcctggcaa 180
gtaaaattag aaactcccag aaatgtactt atttctatta tgttgtttta tttctgaaca 240
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attttctact atctatcccc acgcaggcca tatctgggtt gaagcttcat tatctctata 420
gattaaaaac aaaaacaaaa tgcatacaag caaaacaaat aacatacaaa caaaacccac 480
ctaactcatc tttatgtagt cagtcctccc tcaatagttt ggccaaatt cctaaaccga 540
aatctgattg tgactatccc cttctaaatg tatttaatca gcatacccct tcaataaatc 600
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aatatcaaga tcacaataat cacttaaaat agttacatat gtaactaacc tgcacaatgt 1680
gtacatgtac cctaaaactt aaagtataat aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1740
aaaaaaaa 1748

<210> 560
<211> 1094
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1)
<223> n equals a,t,g, or c

<400> 560
nacccattga gcagaaggag gccaggtggg aaagctcctg ggaagagcag ccagactgga 60
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accgctccag gacgtccatt ctcatcattt gcatactgat cacgggtttg ggaatcatct 660
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gaccacaccc aagcaaggct gccctcaaat aacatctcaa gatcttagtt cttatgcatt 1020
ccatcagtca gaagtgaaga agaggtggag aatctggatt ggggaccagg aaatcacttg 1080
tattttgtta gcca 1094

<210> 561
<211> 531
<212> DNA
<213> Homo sapiens

<400> 561
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ccaagactac cttgagtgct ggtgattacc attctcaagc tctctgggca cagagacctg 420
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<210> 562
<211> 813
<212> DNA
<213> Homo sapiens

<220>
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<222> (16)..(16)
<223> n equals a,t,g, or c

<400> 562
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ccgcttcaac agccccctgg acaagaccaa cagccttatc tggaccacga ggaccacaag 120
gaccaccaaa gactcagcct ttcacatcat gtcccacgag agcccaggca tcgagtggct 180
ctgtctggag aatgccccat gctatgacaa tgttccccaa ggcatctttg cccctgaatt 240
cttcttcaag gtgttggtga gcaatagagg agtggacacg agcacctactgcaactacca 300
gctcaccttc ctgctgcaca tccacgggct gccactcagt cccaagcggg ccctttttcat 360
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cctgtggccc ctcgtggtga agggctgcac gatgatccgg tggaagataa acaacctcat 480
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gagacattcc aggatgggct ccatgttcag ctccaggatg acagaggaca gggctgaacc 600
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tactgtcacg cctctcttat gaggcccatc ttgaagatgc aactgtcac ccagcccagg 720
cctctctttc tgttttgctt gatgtttact tctcgttcag actcaaataa agccttttt 780
caggaccaaa aaaaaaaaaa aaaaaaactc gag 813

<210> 563
<211> 1713
<212> DNA
<213> Homo sapiens

<400> 563
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gataaagatt tctctgaaaa aaagaagcat gtcaggaatc tctgggtgcc ccttttcct 180
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ggttgatgag tattatattg aagacacacc aatttatggt aacttagatg atatgatttc 360
agaaccaatg gatgaaaatt gctatgaaca aatgaaagcc cgaccagaga aatctgtaaa 420
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<211> 703
<212> DNA
<213> Homo sapiens

<400> 564
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<210> 565
<211> 848
<212> DNA
<213> Homo sapiens

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gcaggtgtct gtaatcccag ctacttagga ggctgagaca ggagaatccc ttgagaattg 780
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aaaaaaaa 848

<210> 566
<211> 1818
<212> DNA
<213> Homo sapiens

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tgcttgaggc taggagcttg aggtcagcct gcgcaacata gtgagacccc tgtctctacc 1800
aaaaaaaaaa aaaaaaaa 1818

<210> 567
<211> 1632
<212> DNA
<213> Homo sapiens

<400> 567
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aaaaaactcg ag 1632

<210> 568
<211> 1061
<212> DNA
<213> Homo sapiens

<400> 568
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<210> 569
<211> 1650
<212> DNA
<213> Homo sapiens

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<210> 570
<211> 2762
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc_feature

<222> (2730)..(2730)
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<220>
<221> misc_feature
<222> (2752)..(2752)
<223> n equals a,t,g, or c

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aaaaaaaaaa naaaaaaaaa aaaaaaaaan aaaaaaaaaa aaaaaaaaaa anaaaaaaaa 2760
at 2762

<210> 571
<211> 956
<212> DNA
<213> Homo sapiens

<400> 571
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<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<222> (1070)..(1070)
<223> n equals a,t,g, or c

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<221> misc_feature
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<223> n equals a,t,g, or c

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<221> misc_feature
<222> (1090)..(1090)
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<222> (1157)..(1157)
<223> n equals a,t,g, or c

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<221> misc_feature
<222> (1193)..(1193)
<223> n equals a,t,g, or c

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ggatgccgga cccgct 1216

<210> 573
<211> 818
<212> DNA
<213> Homo sapiens

<400> 573
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<210> 574
<211> 712
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (565)..(565)
<223> n equals a,t,g, or c

<400> 574
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cctgctcatc ctgctggccc cgctggccct gtggcccatt ctcctgtagg gacgcccagc 360
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cagccgcccg cctccattcc ttgacttcac cagaaatgg gtccagaaaa ctgaatccca 480
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<210> 575
<211> 2248
<212> DNA
<213> Homo sapiens

<400> 575
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gaatcaataa accatttgtg gatcctga 2248

<210> 576
<211> 534
<212> DNA
<213> Homo sapiens

<400> 576
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cccytctttt gctctgcaaa ctgcggatga tccaaggagg cccactccct acattttggt 480
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<210> 577
<211> 1032
<212> DNA
<213> Homo sapiens

<400> 577
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aaaaaaaaaa ac 1032

<210> 578
<211> 1074
<212> DNA
<213> Homo sapiens

<400> 578
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<210> 579
<211> 978
<212> DNA
<213> Homo sapiens

<400> 579
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<210> 580
<211> 300
<212> DNA
<213> Homo sapiens

<400> 580
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actggttgat tctgggaggc atctgctaca gtctcttttt atatggatat gtacatgtcc 180
tattctacaa aaatgattaa agataaaaac atacttgtat cccactgcta ctttagctgt 240
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<210> 581
<211> 1466
<212> DNA
<213> Homo sapiens

<400> 581
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ttgccccaaa agatgatgct cacttatctt tcatccagtg taaggatatc tggaaagaca 180
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<210> 582
<211> 1019
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (126)..(126)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (202)..(202)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (380)..(380)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (476)..(476)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (511)..(511)
<223> n equals a,t,g, or c

<400> 582
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<210> 583
<211> 973
<212> DNA
<213> Homo sapiens

<400> 583
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caacccacat tacagatgta acttagtgag agaaaacatc tccctgtttt ccttcatata 180
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<210> 584
<211> 1430
<212> DNA
<213> Homo sapiens

<400> 584
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<210> 585
<211> 1949
<212> DNA
<213> Homo sapiens

<400> 585
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<210> 586
<211> 1499
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (52)..(52)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (66)..(66)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (84)..(84)
<223> n equals a,t,g, or c

<400> 586
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ggtgttctgg gcacagtgca atgcatttct acatggttga tcctcacagc aaatgaacaa 540
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cctaccagac tgaaaagtgt atgtgaaagc tctttaaaaa aaaaaaaaaa aaactcgag 1499

<210> 587
<211> 1558
<212> DNA
<213> Homo sapiens

<400> 587
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tgcggccttg cagctctcct tacccacatg cggccttgca gctctcctta cccacatgcg 180
ggccttgccg ctctccttac ccacatgggg ccttgccgct ctccttaccc acatgggggt 240
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gcagctctcc ttacccacat gcggccttgc agctctcctt acccacatgc gggccttgca 360
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<210> 588
<211> 549
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (474)..(474)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (484)..(484)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (528)..(528)
<223> n equals a,t,g, or c

<400> 588
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cctgcctcat cccacccgca agaggwgctg gggaccarag acagagacac aaactccatt 180
tgaatgtgaa ccttggcacc atggagatgc tcagggtgag cccagtctgc tctctcatta 240
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<210> 589
<211> 1294
<212> DNA
<213> Homo sapiens

<400> 589
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cttgcagtga gccgagatcg tgccactgct ctccagcctg ggcgactgag cgaaactccg 1260
tctcaaaaaa aaaaaaaaaa aaaaaaaact cgag 1294

<210> 590
<211> 904
<212> DNA
<213> Homo sapiens

<400> 590
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<210> 591
<211> 1374
<212> DNA
<213> Homo sapiens

<400> 591
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ttcagcctgg ccagccctct ggaccccgag gttggaccct actgtgacac acctaccatg 180
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<210> 592
<211> 652
<212> DNA
<213> Homo sapiens

<400> 592
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gttggagtgg ctgtgtgggg cggtgagcgc cggcccagcc tgatggaacc cactgtacca 300
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agaatcatca aaataaactt ttaccaaata aaaaaaaaaa aaaaaaactc ga 652

<210> 593
<211> 3059
<212> DNA
<213> Homo sapiens

<400> 593
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aaagatgata tataactact cagtgtggtt tgtcccacaa atgcagagtt ggtttaatat 3000
ttaaatatca accagtgtaa ttcagcacat taataaagta aaaaaaaaaa aaaaaaaaa 3059

<210> 594
<211> 1963
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)..(5)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1116)..(1116)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1253)..(1253)
<223> n equals a,t,g, or c

<400> 594
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cagtgctcaa cattagcagt aaacaacaaa tggtgagtaa atatgagctt cggaacctca 180
gggaaatgat ctccttattt caacctgcag attccttcct acaaccatgg tagagcagag 240
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tatttatccc acacccaccc caataacata tcgtgctcag tgttatcttt gagacaacac 540
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gagaaaggag aaatgcttag agccaccatc aggacagttg ggatgaaagt tgggtatagg 1860
cagaggctgg aggaaacatg tgcatcccct gtaaacactt ttattcatgt tttaattact 1920
cattttttctt acagtgttaa attagtaaag atagtattga aaa 1963

<210> 595
<211> 963
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)..(2)
<223> n equals a,t,g, or c

<400> 595
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ctactgggtc tctggaccca ttgtgcccag ccacccccaa aagccctcag gcgagagctg 120
cctgaggagg caccgctgag gaggaaagga gaaagattga agttccaagt gagattgaga 180
gatctcccta gaggcagctg aagaggagaa gtcccgcatc agcctcatcc caccagaaga 240
acggtggtaa gcggccaggc tccgtgggrag ccagggccca magcccttgg ccagktkgtg 300
gaaacagctg ctgggatggg tatgcccctt gtcactgtca cagctgccac cttccctact 360
ctctcatgtc ctcctagggc ctggcctgag gtggaggcgc cagaagctcc tgcattgccc 420
gtggtgcctg aactccctga ggtgcccatg gagatgcctt tggtgctgcc cccagagctc 480
gagctgctct cactggaagc agtgcacagg taccaggrag gtggcacctt gatggggtgg 540
acccgggctg aagcctctgc taatggttct tgatccctat agggcagtgg cactggagyt 600
gcaggctaac agggagcccg acttcagcag cctggtgtca mctctcagcc cccgcaggat 660
ggctgcccgg gtcttctamc tgctcctggg tgartgtatg catgtgtgtg tgtgtatgtk 720
gggcagggac acagagacca gaggcccgta cagggactcc cccgacctgc cctctcctcg 780

cctcttgacc agtgctctca gcgcaacaga ttcttcacgt gaaacaagaa agccatatg 840
gtcgcctcct gatccagccg gggcccagat tccactgagg ttagagtcca tttacaaagc 900
tgccaggaaa ccggccactt ctagtaaacc acgtcgtgcc tcactgaaaa aaaaaaaaaa 960
agg 963

<210> 596
<211> 675
<212> DNA
<213> Homo sapiens

<400> 596
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ttcctgctgc agctggccgc tgggatcctg ggcttcgtct tctcagacaa ggtcgaggg 180
aaagtgagtg agatcatcaa caatgccatt gtgcactacc gagatgactt ggatctgcag 240
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gtaaaagtga atgtcatccc aagagatgcc tcaccctcta tgcctgtggg gctcttcatt 360
acctgccagg taatggcttc tgggaagggg tttggcaaaa aaagcacacg tagcagagtg 420
ctttaaatgt acttttaaag acacagaaca gtatatatag taatctactg tgttataaat 480
ggttacttac agggggtgag gaactgggca gattcttgaa tattacctct tcaaaagtga 540
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aaaaaaaaaa aaaaa 675

<210> 597
<211> 1134
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1134)..(1134)
<223> n equals a,t,g, or c

<400> 597
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ttgcacactg ctggctttat ctttgggggct gcaccccgag gcaacaaatg caggatgctc 180
tgtcacccac atgtccacca ccatctggtt tgccttttgg ctactttgac tttctcctta 240
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tgagtctgcc cctagctggg tatgtgcgtc cggtgtcggg gccttggagt ttttggtaat 540
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aatgactgtt ttagagtacc catgtgggtt ccctgagtca cagcagggga tgtttaataa 660
ggaggttagc actgagcttg gggacgtgct gtcacaccag caggacgctg caggaaggag 720
caggctactt cctttcttga cgtgcaaata actcgtatag gctaatcaac aggcttataa 780
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aggtcgtcca tgttccatgc cttctgggtt cttgggggag aaggaagctg ttgn 1134

<210> 598
<211> 1583
<212> DNA
<213> Homo sapiens

<400> 598
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cttggtttcg tgctgtttct ctttttggga atcttgacca tgctcagacc aaatatgtac 180
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tgtgtcctgg gcatttctgc catcattgtg gcgcagtggg accggtttgc cactcctaag 480
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tgtatcttga tgcaaagact atgatgttaa taaaagaaag tacagaagac acttggcatt 1560
caaaaaaaaa aaaaaaaaaa aaa 1583

<210> 599
<211> 1991
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (300)..(300)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (353)..(353)
<223> n equals a,t,g, or c

<400> 599
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ggcccggccg gagccggtgg cgctggagcg ggtctgtgtg ggtccgaagc gttttactcc 120
tgttgggcgg gctccgggcc agcgccacat ctactcccgt ctccttgggc agttcccctc 180
cctgccggca ccacgtcccc tctgacactg aggtcataa taaagttcat cttaaggcaa 240

atcatgtggt caagagagat gttgatgagc atttaagaat caagactgtc tatgataaan 300
tgktgaasag ttgctccctg agaaaaagaa tcttgtaaag aacaagcttc tcncacawgc 360
gatttcttat ttagagaaga cttttcaggt ccgtcgacct gcgggcacta tcttacttag 420
cagacaatgt gcaacaaacc aatacctccg gaaggaaaac gatcctcaca ggtactgcac 480
cggggagtgt gccgcacaca caaagtgcgg ccccgttatt gttcctgagg aacatctcca 540
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ctgttcctcg a 1991

<210> 600
<211> 975
<212> DNA
<213> Homo sapiens

<400> 600
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accgccaccc cgtgggcgag tggatcaaga agaaaaaacc tggcccgaga gtcgaagggc 180
cgccccaggc caacagaaat cacccggcct tacctctgtc cccaccctta ccttccccca 240
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cacagcctcc tcctcccatt ctccatcacc agggaatgcc ccggttccca cagggtcccc 360
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atgtcccctc atcagcccat gcaggtttct tcgtcgaaga caattttatg gttggtcctc 480
agctgcctat gcccttcttc cccacacccc gttatcagcg gcctgcccca gtggtacata 540
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cttcaaagag aagggcccca gccaatcctg agccaaggcc tcaatagacg gacctaggcc 660
ttatttcctc tttatgaaca tggattggac agatctgaca cttcctttcc attgcttggc 720
ctgaacagac tgaccttgtt aacttaagcc tggagtccat gcctcgtctt ccttttgttc 780
attgctgtta ccaagaaagc caaggaagag cagcctgact catcttcttt ggctgcagcc 840
tcttccccac ttcctgggag tgacccagcg ttattcctgc ctcctcactc ctattctctt 900
tgcctttgtg taaaaataaa atggaaataa acaagttgca cagaaaaaaa aaaaaaaaaa 960
aaaacccaag ggggg 975

<210> 601
<211> 1209

<212> DNA
<213> Homo sapiens

<400> 601
ggccacgaga gtggatgcca ttcaccaacc cggcccgcaa ggacggagca atgttcttcc 60
actggcgacg tgcagcggag gagggcaagg actacccctc tgccaggttc aataagactg 120
tgcaggtgcc tgtgtactcg gagcaggagt accagcttta ttccacgat gatgcttgga 180
ctaaggcaga aactgaccac ctctttgacc tcagccgccg ctttgacctg cgttttgttg 240
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<212> DNA
<213> Homo sapiens

<220>
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<220>
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<221> misc_feature
<222> (1102)..(1102)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1107)..(1107)
<223> n equals a,t,g, or c

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<221> misc_feature
<222> (1111)..(1111)
<223> n equals a,t,g, or c

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<210> 620
<211> 753
<212> DNA
<213> Homo sapiens

<400> 620
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gctgccatgc tgtacttgag cctgctgcta cagccatgcc tgaagatgca gccccttcct 180
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<210> 621
<211> 1604
<212> DNA
<213> Homo sapiens

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attatgggag caaaatcttc agcttctggg ttcctgtctc actgaggaaa tggatttgaa 240
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ctatttcctt tggactttgt ataaacaagg aaaggacagt tgttagttca gttatatcag 360
ataacctgtg tctttaaagt aaatgtatct taaataagta ggactcccat aaatgactac 420
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<210> 622
<211> 1021
<212> DNA
<213> Homo sapiens

<400> 622
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g 1021

<210> 623
<211> 985
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1)
<223> n equals a,t,g, or c

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<210> 624
<211> 1445
<212> DNA
<213> Homo sapiens

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<210> 625
<211> 1699
<212> DNA
<213> Homo sapiens

<400> 625
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aattactttg taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1680
aaaaaaaaaa aaaaaaaaa 1699

<210> 626
<211> 1529
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1505)..(1505)

<223> n equals a,t,g, or c

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atataaagat agctgtttag gatattttgt tacattttg taaatttttg aaatgctagt 1320
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ttccngtarg ttccccttaa agacccccg 1529

<210> 627
<211> 1218
<212> DNA
<213> Homo sapiens

<400> 627
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gggccatgcg tatttctttg gagaaaggtc tatccaggtc ctttgcctat ttttaattga 180
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<211> 831
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<212> DNA
<213> Homo sapiens

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<211> 3337
<212> DNA
<213> Homo sapiens

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<211> 2733
<212> DNA
<213> Homo sapiens

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<211> 1547
<212> DNA
<213> Homo sapiens

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<210> 633
<211> 1380
<212> DNA
<213> Homo sapiens

<400> 633
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<210> 634
<211> 610
<212> DNA
<213> Homo sapiens

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<222> (25)..(25)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (74)..(74)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (76)..(76)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (486)..(486)
<223> n equals a,t,g, or c

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gggcgattaa 610

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<211> 659
<212> DNA
<213> Homo sapiens

<220>
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<222> (616)..(616)

<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (620)..(620)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (631)..(631)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (644)..(644)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (649)..(649)
<223> n equals a,t,g, or c

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<210> 636
<211> 189
<212> DNA
<213> Homo sapiens

<400> 636
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<210> 637
<211> 637
<212> DNA
<213> Homo sapiens

<220>
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<222> (358)..(358)
<223> n equals a,t,g, or c

<220>

<221> misc_feature
<222> (523)..(523)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (552)..(552)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (589)..(589)
<223> n equals a,t,g, or c

<400> 637
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agaaaagaat gtgcttggga attcaagctc tatagcaaca agacagagaa gattgtatta 120
gtaagattgt atatcttcca gtgtcacctg tatatcccct aaactcctca cctatatcac 180
aaaaacctgc caaggcagaa tacattccct tgggaaagga gctttggcgg gcaagcaggc 240
atcgggtccc atctgacacc agcgtgatcg ccacaggagc catctaggaa aggggaatgg 300
aaactgagat gctggcactt tgggccctgc caatgagcta aagcagtgta taattaanga 360
attgcacagg cttccttccc caggacaaag cagcgcacag tcttcttgga ttactgtcct 420
cttacagcaa taattacctg tggataatag attatattat tggaagggca caacgcttg 480
ctgccagcca cgtcttcttg gtgggctgcc acttctgctg canaactgat gagcatcatg 540
ccaccggaga anacttgagc ctaggacaac atgatgggcc tggtgtcant tggagagaat 600
gcgggctcat ctttacagcc ttgggcctaa tggctgc 637

<210> 638
<211> 1830
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (67)..(67)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (97)..(97)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (211)..(211)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1813)..(1813)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1830)..(1830)
<223> n equals a,t,g, or c

<400> 638
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tggcttnggc gttggcggcg ctggcggcgg tcgagcngcc tgcgsagccg gtaccagcag 120
ttgcagaatg aagaagagtc tggagaacct gaacaggctg caggtgatgc tcctccacct 180
tacagcagca tttctgcaga gagcgcacat nattttgact acaaggatga gtctgggttt 240
ccaaagcccc catcttacaa tgtagctaca acactgccca gttatgatga agcggagagg 300
accaaggctg aagctactat ccctttggtt cctgggagag atgaggattt tgtgggtcgg 360
gatgattttg atgatgctga ccagctgagg ataggaaatg atgggatttt catgttaact 420
tttttcatgg cattcctctt taactggatt gggtttttcc tgtctttttg cctgaccact 480
tcagctgcag gaaggtatgg ggccatttca ggatttggtc tctctctaat taaatggatc 540
ctgattgtca ggttttccac ctatttccct ggatattttg atggtcagta ctggctctgg 600
tgggtgttcc ttgttttagg ctttctcctg tttctcagag gatttatcaa ttatgcaaaa 660
gttcggaaga tgccagaaac tttctcaaat ctccccagga ccagagttct ctttatttat 720
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gaacacctgc aggaagtgaa tcaagatgca gaacacagag gaataatcac ctgctttaaa 840
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atagttaatg cagaattctg taatcattga atcattagtg gttaatgttt gaaaaagctc 960
ttgcaatcaa gtctgtgatg tattaataat gccttatata ttgtttgtag tcattttaag 1020
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tcaaaatgaa cttggaatta aatattgtaa gatatgtata atgctggcca ttttaaaggg 1140
gttttctcaa aagttaaact tttgttatga ctgtgttttt gcacataatc catatttgct 1200
gttcaagtta atctagaaat ttattcaatt ctgtatgaac acctggaagc aaaatcatag 1260
tgcaaaaata catttaaggt gtggtcaaaa ataagtcttt aattggtaaa tataagcat 1320
taatttttta tagcctgtat tcacaattct gcggtacctt attgtaccta agggattcta 1380
aaggtgttgt cactgtataa aacagaaagc actaggatac aaatgaagct taattactaa 1440
aatgtaattc ttgacactct ttctataatt agcgttcttc acccccaccc ccacccccac 1500
ccccttatt ttcctttgt ctcctggtga ttaggccaaa gtctgggagt aaggagagga 1560
ttaggtactt aggagcaaag aaagaagtag cttggaactt ttgagatgat ccctaacata 1620
ctgtactact tgcttttaca atgtgttagc agaaaccagt gggttataat gtagaatgat 1680
gtgctttctg cccaagtggt aattcatctt ggtttgctat gttaaaatg taaatacaac 1740
agaacattaa taaatatctc ttgtgtagca ccttttaaaa aaaaaaaaaa aaaaaaaaaa 1800
aaaaaaaaaa aancccgggg gggggccccn 1830

<210> 639
<211> 1025
<212> DNA
<213> Homo sapiens

<400> 639
cctggcccac attgcttcat tggcctggcc atgcgcctgt actatggcag ccgctagtcc 60
ctgacaactt ccaccctgat tccggaccct gtagattggg cgccaccacc agatcccccc 120
cccaggcctt cctccctctc ccatcagcag ccctgtaaca agtgccttgt gagaaaagct 180
ggagaagtga gggcagccag gttattctct ggaggttggt ggatgaggg gtaccctagg 240
agatgtgaag tgtgggtttg gttaaggaaa tgcttaccat cccccacccc caaccaagtt 300
cttccagact aaagaattaa ggtaacatca atacctaggc ctgagaaata accccatcct 360
tgttgggcag ctccctgctt tgtcctgcat gaacagagtt gatgaaagtg gggtgtgggc 420
aacaagtggc tttccttgcc tactttagtc acccagcaga gccactggag ctggctagtc 480
cagcccagcc atggtgcatg actcttccat aagggatcct caccttcca ctttcatgca 540
agaaggccca gttgccacag attatacaac cattacccaa accactctga cagtctcctc 600
cagttccagc aatgcctaga gacatgctcc ctgccctctccacagtgctg ctccccacac 660
ctagcctttg ttctggaaac cccagagagg gctgggcttg actcatctca gggaatgtag 720
cccctgggcc ctggcttaag ccgacactcc tgacctctct gttcaccctg agggctgtct 780
tgaagcccgc tacccactct gaggctccta ggaggtacca tgcttcccac tctggggcct 840
gcccctgcct agcagtctcc cagctcccaa cagcctgggg aagctctgca cagagtgacc 900
tgagaccagg tacaggaaac ctgtagctca atcagtgtct ctttaactgc ataagcaata 960
agatcttaat aaagtcttct aggctgtagg gtggttccta caaccacagc caaaaaaaaa 1020
aaaaa 1025

<210> 640
<211> 2454
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2317)..(2317)
<223> n equals a,t,g, or c

<400> 640
ggtcgaccca cgcgtccgct tccatgtcaa atgtatgact gttatttctt cttctggaag 60
agcctacctg gacgtagaca ttactctgtc ctcagaagct ttccataatt acatgaatgc 120
tgccatggtg cacatcaaca gggccctgaa actcattatt cgtctctttc tggtagaaga 180
tctggttgac tccttgaagc tggctgtctt catgtggctg atgacctatg ttggtgctgt 240
ttttaacgga atcacccttc taattcttgc tgaactgctc attttcagtg tcccgattgt 300
ctatgagaag tacaagaccc agattgatca ctatgttggc atcgcccgag atcagaccaa 360
gtcaattgtt gaaaagatcc aagcaaaact ccctggaatc gccaaaaaaa aggcagaata 420
agtacatgga aaccagaaat gcaacagtta ctaaaacacc atttaatagt tataacgtcg 480
ttacttgtac tatgaaggaa aatactcagt gtcagcttga gcctgcattc caagcttttt 540
ttttaatttg gtgttttctc ccatcctttc cctttaaccc tcagtatcaa gcacaaaaat 600
tgatggactg ataaaagaac tatcttagaa ctcagaagaa gaaagaatca aattcatagg 660
ataagtcaat accttaatgg tggtagagcc tttacctgta gcttgaaagg ggaaagattg 720
gaggtaagag agaaaatgaa agaacacctc tgggtccttc tgtccagttt tcagcactag 780
tcttactcag ctatccatta tagttttgcc cttaagaagt catgattaac ttatgaaaaa 840
attatttggg gacaggagtg tgataccttc cttggttttt ttttgcagcc ctcaaatcct 900
atcttcctgc cccacaatgt gagcagctac ccctgatact ccttttcttt aatgatttaa 960
ctatcaactt gataaataac ttataggtga tagtgataat tcctgattcc aagaatgcca 1020
tctgataaaa aagaatagaa atggaaagtg ggactgagag ggagtcagca ggcatgctgc 1080
ggtggcggtc actccctctg ccactatccc cagggaagga aaggctccgc catttgggaa 1140
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tgtgctttcc tccctctccc ctgcccacct caagtttaat aaataaggtt gtacttttct 1260
tactataaaa taaatgtctg taactgctgt gcactgctgt aaacttgttagagaaaaaaa 1320
taacctgcat gtgggctcct cagttattga gtttttgtga tcctatctca gtctgggggg 1380
gaacattctc aagaggtgaa atacagaaag cctttttttc ttgatctttt cccgagattc 1440
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taatgaaact gtgtgtacgt gtctgtgcgt gcaacataaa aatacagtag cacctaagga 2040
gcttgaatct tggttcctgt aaaatttcaa attgatgtgg tattaataaa aaaaaaaaaa 2100
acacaaaaaa aaaaaaaaaa agggcggccg ctctagaggg tccaagctta cgtacgcgtg 2160
catgcgacgt catagctctt ctatagtgtc acctaaattc aattcactgg ccgtcgtttt 2220
acaacgtcgt gactgggaaa accctggcgt tacccaactt aatcgccttg cagcacatcc 2280
ccctttcgcc agctggcgta atagcgaaga ggcccgnacc gatcgscctt cccaacagtt 2340
gcgcagcctg aatggcraat gggacgcgcc ctgtagcggc gcattaagcg cggcggktgt 2400
ggtggttacc cgcagcgtga ccgttacact tgccagtggc cctagcggcc cgct 2454

<210> 641
<211> 1775
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (820)..(820)
<223> n equals a,t,g, or c

<400> 641
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tgggtaaaga tggccccatg gcccccgaag ggcctagtcc cagctgtgct ctggggcctc 120
agcctcttcc tcaacctccc aggacctatc tggctccagc cctctccacc tccccagtct 180
tctcccccgc ctcagcccca tccgtgtcat acctgccggg gactggttga cagctttaac 240
aagggcctgg agagaaccat ccgggacaac tttggaggtg gaaacactgc ctgggaggaa 300
gagaatttgt ccaaatacaa agacagtgag acccgcctgg tagaggtgct ggagggtgtg 360
tgcagcaagt cagacttcga gtgccaccgc ctgctggagc tgagtgagga gctggtggag 420
agctggtggt ttcacaagca gcaggaggcc ccggacctct tccagtggct gtgctcagat 480
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ggaacagaga ggccctgcgg tggctacggg cagtgtgaag gagaagggac acgagggggc 600
agcgggcact gtgactgcca agccggctac gggggtgagg cctgtggcca gtgtggcctt 660
ggctactttg aggcagaacg caacgccagc catctggtat gttcggcttg ttttggcccc 720
tgtgcccgat gctcaggacc tgaggaatca aactgtttgc aatgcaagaa gggctgggcc 780
ctgcatcacc tcaagtgtgt agactgtgcc aaggcctgcn taggctgcat gggggcaggg 840
ccaggtcgct gtaagaagtg tagccctggc tatcagcagg tgggctccaa gtgtctcgat 900
gtggatgagt gtgagacaga ggtgtgtccg ggagagaaca agcagtgtga aaacaccgag 960
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gcagcccagg tacccaggcc cgggcagaca aggcccctgg ggtaaaaagtagccctgaag 1440
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ctcacagggg tggggccatc acagctccct cctgccagct gcatgctgcc agttcctgtt 1620
ctgtgttcac cacatcccca caccccattg ccacttattt attcatctca ggaaataaag 1680
aaaggtcttg gaaagttaaa aaaaaaaaaa aaaaaaaaaa aaaaaactcg agggggggcc 1740
cgtacccaat cgccctatga tgtagtcgta ttaca 1775

<210> 642
<211> 1379
<212> DNA
<213> Homo sapiens

<400> 642
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tgggtaaaga tggccccatg gcccccgaag gcctagtccc agctgtgctc tggggcctca 120
gcctcttcct caacctccca ggacctatct ggctccagcc ctctccacct ccccagtctt 180
ctcccccgcc tcagccccat ccgtgtcata cctgccgggg actggttgac agctttaaca 240
agggcctgga gagaaccatc cgggacaact ttggaggtgg aaacactgcc tgggaggaag 300
agaatttgtc caaatacaaa gacagtgaga cccgcctggt agaggtgctg gagggtgtgt 360
gcagcaagtc agacttcgag tgccaccgcc tgctggagct gagtgaggag ctggtggaga 420
gctggtggtt tcacaagcag caggaggccc cggacctctt ccagtggctg tgctcagatt 480
ccctgaagct ctgctgcccc gcaggcacct tcgggccctc ctgccttccc tgtcctgggg 540
gaacagagag gccctgcggt ggctacgggc agtgtgaagg agaagggaca cgaggggggca 600
gcgggcactg tgactgccaa gccggctacg ggggtgaggc ctgtggccag tgtggccttg 660
gctactttga ggcagaacgc aacgccagcc atctggtatg ttcggcttgt tttggcccct 720

gtgcccgatg ctcaggacct gaggaatcaa actgtttgca atgcaagaag ggctgggccc 780
tgcatcacct caagtgtgta gacattgatg agtgtggac agagggagcc aactgtggag 840
ctgaccaatt ctgcgtgaac actgagggct cctatgagtg ccgagactgt gccaaggcct 900
gcctaggctg catgggggca gggccaggtc gctgtaagaa gtgtagccct ggctatcagc 960
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acaagcagtg tgaaaacacc gagggcggtt atcgctgcat ctgtgccgag ggctacaagc 1080
agatggaagg catctgtgtg aaggagcaga tcccaggtgc attccccatc ttaactgatt 1140
taacccctga aacaacccga cgctggaagt tgggttctca tccccactct acatatgtaa 1200
aaatgaagat gcagagagat gaagctactt tccagggct atatggcaag caagtcgcaa 1260
agctgggatc ccaatccaga cagtctgacc gtggaacgag actcatacac gtaataaatg 1320
ctctgccccc aacttgtcca ccacaaaaaa aaaaaaaaaa aaaaaaaaag ggcggccgc 1379

<210> 643
<211> 1508
<212> DNA
<213> Homo sapiens

<400> 643
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ggtgcggagg ccgtgggctt ttgttgggcc tggctgtagc cgcagcagcg gtaatggcag 120
cacggcttat gggctggtgg ggtccccgcg ctggctttcg ccttttcata ccggaggagc 180
tgtctcgcta ccgcggcggc ccaggggacc cgggcctgta cttggcgttg ctcggccgtg 240
tctacgatgt gtcctccggc cggagcacta cgagcctggg tcccactata gcggcttcgc 300
aggccgagac gcatccagag ctttcgtgac cggggactgt tctgaagcag gcctcgtgga 360
tgacgtatcc gacctgtcag ccgctgagat gctgacactt cacaattggc tttcattcta 420
tgagaagaat tatgtgtgtg ttgggagggt gacaggacgg ttctacggag aggatgggct 480
gcccaccccg gcactgaccc aggtagaagc tgcgatcacc agaggcttgg aggccaacaa 540
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gggcagccgg ctctggtgct cccagaagag tggaggtgtg agcagagact ggattggcgt 660
ccccaggaag ctgtataagc caggtgctaa ggagccccgc tgcgtgtgtg tgagaaccac 720
cggcccccct agtggccaga tgccggacaa ccctccacac agaaatcgtg gggacctgga 780
ccacccaaac ttggcagagt acacaggctg cccaccgcta gccatcacat gctccttcc 840
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tgcctgaggg acagccggcc acctgcccag tactggtcag cttttcaaca ctattccctt 1080
tgacctactg gccatcttcc tcacagccct cagatatcaa cgggcacaaa taagaccaac 1140
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cagtacgagg caataacaaa ttagtgtggg ttgattctgg aattggaaaa gttttgctt 1260
gtatggatac agcaaatcca gatgtctctg aacaaagcaa caatttaaag caacgacatt 1320
ttctgtcctt taagcactta aaatcaggtg tggtgtgttt tcaaaggcag aagtctgcat 1380
tttgagcaaa aggtggcttc ccagctctaa caaggtaact ggttagcatg acattaaagc 1440
ttgggcaagg cttcaaactt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1500
aactcgag 1508

<210> 644
<211> 1412
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1362)..(1362)
<223> n equals a,t,g, or c

<220>
<221> misc_feature

<222> (1369)..(1369)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1397)..(1397)
<223> n equals a,t,g, or c

<400> 644
cccttcatct gcgttgccag gaaccctgtc agcagaaact tctcaagccc catccttgcc 60
aggaagctct gtgaaggtgc tgctgatgac ccagattcct ccatggtcct cctgtgtctc 120
ctgttggtgc ccctcctgct cagtctcttt gtactggggc tatttctttg gtttctgaag 180
agagagagac aagaagagta cattgaagag aagaagagag tggacatttg tcgggaaact 240
cctaacatat gcccccattc tggagagaac acagagtacg acacaatccc tcacactaat 300
agaacaatcc taaaggaaga tccagcaaat acggtttact ccactgtgga aataccgaaa 360
aagatggaaa atccccactc actgctcacg atgccagaca caccaaggct atttgcctat 420
gagaatgtta tctagacagc agtgcactcc cctaagtctc tgctcaaaaa aaaaacaatt 480
ctcggcccaa agaaaacaat cagaagaatt cactgatttg actagaaaca tcaaggaaga 540
atgaagaacg ttgacttttt tccaggataa attatctctg atgcttcttt agatttaaga 600
gttcataatt ccatccactg ctgagaaatc tcctcaaacc cagaaggttt aatcacttca 660
tcccaaaaat gggattgtga atgtcagcaa accataaaaa aagtgcttag aagtattcct 720
ataaaaatgt aaatgcaagg tcacacatat taatgacagc ctgttgtatt aatgatggct 780
ccaggtcagt gtctggagtt tcattccatc ccagggcttg gatgtcagga ttataccaag 840
agtcttgcta ccaggagggc aagaagacca aaacagacag acaagtccag cagaagaaga 900
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tgagcttaca ctaattggtc agacatgctg tctgccctca tgaaattggc tccaaatgaw 1020
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tggatccaca ggacttgaag gtcaaagttc acaaagatga agaatcaggg tagctgacca 1140
tgtttggcag atactataat ggagacacag aagtgtgcat ggcccaagga caaggacctc 1200
cagccaggct tcatttatgc acttgtctgc aaaagaaaag tctaggtttt aaggctgtgc 1260
cagaacccat cccaataaag agaccgagtc tgaagtcaca ttgtaaatct gtgtaggag 1320
acttggagtc aggcagtgag actggtgggg cacggggggc antgggtant gtaaaccttt 1380
taaagatggt taattcntca ttagtgtttt tt 1412

<210> 645
<211> 1306
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1300)..(1300)
<223> n equals a,t,g, or c

<400> 645
aattcccggg tcgacccacg cgtccggaat ttaagggacc cacactacct tcccgaagtt 60
gaaggcaagc ggtgattgtt tgtagacggc gctttgtcat gggacctgtg cggttgggaa 120
tattgctttt ccttttttg gccgtgcacg aggcttgggc tgggatgttg aaggaggagg 180
acgatgacac agaacgcttg cccagcaaat gcgaagtgtg taagctgctg agcacagagc 240
tacaggcgga actgagtcgc accggtcgat ctcgagaggt gctggagctg gggcaggtgc 300
tggatacagg caagaggaag agacacgtgc cttacagcgt ttcagagaca aggctggaag 360
aggccttaga gaatttatgt gagcggatcc tggactatag tgttcacgct gagcgcaagg 420
gctcactgag atatgccaag ggtcagagtc agaccatggc aacactgaaa ggcctagtgc 480
agaaggggt gaaggtggat ctggggatcc ctctggagct ttgggatgag cccagcgtgg 540
aggtcacata cctcaagaag cagtgtgaga ccatgttggargargaggar gaagaggagg 600
aagaggaagg gggagacaag atgaccaaga caggaagcca ccccaaactt gaccgagaag 660
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gcctgcactc tccctgctcc acagctttca gggtgtgttt atgagtgact ccacccaagc 780
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gctcaatgta acccagagcc caccatatag ttttataggt gctcaatttt ctatatcgct 1260
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<210> 646
<211> 729
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (702)..(702)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (710)..(710)
<223> n equals a,t,g, or c

<400> 646
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ctgtcccggc ggcaatctct ccaatcttat gtccctgctg gttgacggcg acatgaacct 120
cagcatcatc atgaccatct cctccacgct tctggccctc gtcttgatgc ccctgtgcct 180
gtggatctac agctgggctt ggatcaacac ccctatcgtg cagttactac ccctagggac 240
cgtgaccctg actctctgca gcactctcat acctatcggg ttgggcgtct tcattcgcta 300
caaatacagc cgggtggctg actcattgt gaaggtttcc ctgtggtctc tgctagtgac 360
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ccctgcagct gtttatgtga tagcaatttt tatgcctttg gcaggctacg cttcaggtta 480
tggtttagct actctcttcc atcttccacc caactgcaag aggactgtat gtctgaaac 540
aggtagtcag aatgtgcagc tctgtacagc cattctaaaa ctggcctttc accgaattya 600
taggaagcat gkacatgktt cctttgctgk atgcactttt ycagtctgca raascgggga 660
tttttgkttt aatctataaa akgtatggaa rtgaaatgtt gnaccaagcn agaatccttt 720
tagattaaa 729

<210> 647
<211> 1180
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)..(6)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (9)..(9)
<223> n equals a,t,g, or c

<220>

<221> misc_feature
<222> (14)..(14)
<223> n equals a,t,g, or c

<400> 647
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gaagaggggg agagagttac aggttggaca tgatgcacac tatggggccc cagcgacgtg 120
tctggttgag ctcagggaat atggttctta gccagtttct tggtgatatc cagtggcact 180
tgtaatggcg tcttcattca gttcatgcag ggcaaaggct tactgataaa cttgagtctg 240
ccctcgtatg agggtgtata cctggcctcc ctctgaggct ggtgactcct ccctgctggg 300
gccccacagg tgaggcagaa cagctagagg gcctccccgc ctgcccgccttggctggcta 360
gctygcctct cctgtgcgta tgggaacacc tagcacgtgc tggatgggct gcctctgact 420
cagaggcatg gccggatttg gcaactcaaa accaccttgc ctcagctgat cagagtttct 480
gtggaattct gtttgttaaa tcaaattagc tggtctctga attaaggggg agacgacctt 540
ctctaagatg aacagggttc gccccagtcc tcctgcctgg agacagttga tgtgtcatgc 600
agagctctta cttctccagc aacactcttc agtacataat aagcttaact gataaacaga 660
atatttagaa aggtgagact tgggcttacc attgggttta aatcataggg acctagggcg 720
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ctggtcttaa ctctgattgt agcaaaagtt ctgagaggag ctgagccctg ttgtggccca 840
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agcccagccg agggaatccc gtgggttgct tacctaccta taaggtggtt tataagctgc 960
tgtcctggcc actgcattca aattccaatg tgtacttcat agtgtaaaaa tttatattat 1020
tgtgaggttt tttgtctttt ttttttttt ttttttggt atattgctgt atctacttta 1080
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1180

<210> 648
<211> 941
<212> DNA
<213> Homo sapiens

<400> 648
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ctgattctcc ccaccagagg acagacgttg aaagatacca cgtccagttc ttcagcagac 180
tcaactatca tggacattca ggtcccgaca cgagccccag atgcagtcta cacagaactc 240
cagcccacct ctccaacccc aacctggcct gctgatgaaa caccacaacc ccagacccag 300
acccagcaac tggaaggaac ggatgggcct ctagtgacag atccagagac acacaagagc 360
accaaagcag ctcatcccac tgatgacacc acgacgctct ctgagagacc atccccaagc 420
acagacgtcc agacagaccc ccagaccctc aagccatctg gttttcatga ggatgacccc 480
ttcttctatg atgaacacac cctccggaaa cgggggctgt tggtcgcagc tgtgctgttc 540
atcacaggca tcatcatcct caccagtggc aagtgcaggc agctgtcccg gttatgccgg 600
aatcattgca ggtgagtcca tcagaaacag gagctgacaa cccgctgggc acccgaagac 660
caagcccccc gccagctcac cgtgcccagc ctcctgcatc ccctcgaaga gcctggccag 720
agagggaaga cacagatgat gaagctggag ccagggctgc cggtccgagt ctcctacctc 780
ccccaaccct gcccgccccc gaaggctacc tggcgccttg ggggctgtcc ctcaagttat 840
ctcctctgtt aagacaaaaa gtaaagcact gtggtctttg aaaaaaaaaa aaaaaaaaaa 900
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 941

<210> 649
<211> 988
<212> DNA
<213> Homo sapiens

<400> 649
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cgacgtaagt ccctctcgcg cgccacctcc atccgctgcc cctctgccca cgggccgggc 120

tcasatgtcg ccctctggtc gcctgtgtct tctcaccatc gttggcctga ttctccccac 180
cagaggacag acgttgaaag ataccacgtc cagttcttca gcagactcaa ctatcatgga 240
cattcaggtc ccgacacgag ccccagatgc agtctacaca gaactccagc ccacctctcc 300
aaccccaacc tggcctgctg atgaaacacc acaaccccag acccagaccc agcaactgga 360
aggaacggat gggcctctag tgacagatcc agagacacac aagagcacca aagcagctca 420
tcccactgat gacaccacga cgctctctga gagaccatcc ccaagcacag acgtccagac 480
agacccccag accctcaagc catctggttt tcatgaggat gaccccttct tctatgatga 540
acacaccctc cggaaacggg ggctgttggt cgcagctgtg ctgttcatca caggcatcat 600
catcctcacc agtggcaagt gcaggcagct gtcccggtta tgccggaatc attgcaggtg 660
agtccatcag aaacaggagc tgacaaccyg ctgggcaccc gaagaccaag ccccctgcca 720
gctcaccgtg cccagcctcc tgcatcccct cgaagagcct ggccagagag ggaagacaac 780
gatgatgaag ctggagccag ggctgccggt ccgagtctcc tacctccccc aaccctgccc 840
gcccctgaag gctacctggc gccttggggg ctgtccctca agttatctcc tctgytaaga 900
caaaaagtaa agcactgtgg tctttgcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 960
aaaaaaaaaa aaaaaaaaaa actcgag 988

<210> 650
<211> 1172
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (904)..(904)
<223> n equals a,t,g, or c

<400> 650
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cctgggaaga tggccggccc gtggaccttc acccttctct gtggtttgct ggcagccacc 120
ttgatccaag ccaccctcag tcccactgca gttctcatcc tcggcccaaa agtcatcaaa 180
gaaaagctga cacaggagct gaaggaccac aacgccacca gcatcctgca gcagctgccg 240
ctgctcagtg ccatgcgggn aaagccagcc ggagcatccc tgtgctgggc agcctggtga 300
acaccgtcct gaagcacrtc atctggctga aggtcatcac agytaacatc ctccagctgc 360
aggtgaagcc ctcggccaat gamcaggagc tgctagtcaa gatccccctg gacatggtgg 420
ctggattcaa cacgcccctg gtcaagacca tcgtggagtt ccacatgacgactgaggccc 480
aagccaccat ccgcatggac accagtgcaa gtggccccac ccgcctggtc ctcagtgact 540
gtgccaccag ccatgggagc ctgcgcatcc aactgctgca taagctctcc ttcctggtga 600
acgccttagc taagcaggtc atgaacctcc tagtgccatc catgccaagg tggcccaact 660
gatcgtgctg gaagtgtttc cctccagtga agccctccgc cctttgttca ccctgggcat 720
cgaagccagc tcggaagctc agttttacac caaaggtgac caacttatac tcaacttgaa 780
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cctgtctccc agtgaagact tggatggcag ccatcaggga argctgggtc ccagctggga 1080
rtatgggtgt gagctctata gaccatccct ctctgcaatc aataaacact tgcctgtgaa 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1172

<210> 651
<211> 526
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (283)..(283)
<223> n equals a,t,g, or c

<400> 651
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cgctgcggag ggaagtccac tctcggggag agatgctgat gccggtccac ttcctgctgc 120
tcctgctgct gctcctgggg ggccccagga caggcctccc ccacaagttc tacaaagcca 180
agcccatctt cagctgcctc aacaccgccc tgtctgaggc tgagaagggc cagtgggagg 240
atgcatccct gctgagcaag aggagcttcc actacctgcg canaagsacg cctcttcggg 300
agaggaggag gagggcaaag agaaaaagac tttccccatc tctggggcca ggggtggarc 360
cagaggcacc cggtacagat acgtgtccca agcacagccc aggggaaagc cacgccagga 420
cacggccaag agtccccacc gcaccaagtt caccctgtcc ctcgacgtcc ccaccaacat 480
catgaacctc ctcttcaaca tcgccaaggc caagaactgc gtgccc 526

<210> 652
<211> 1566
<212> DNA
<213> Homo sapiens

<400> 652
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aggttgctcc atctacaacc gctcagaggc atgtccagct gctcaccacc accccaccta 420
tgaaccgaag acagtcacaa cagggagccc cccagtccct gaggcccaca gccctggatt 480
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cagcctgaca gtgggttgta tgcctgcctc tttccaccaa ctggcctggg cactgccccc 1440
aaataaagga actctgcact gcaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1500
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1560
aaaaaa 1566

<210> 653
<211> 1067
<212> DNA
<213> Homo sapiens

<400> 653
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gccttgcgga ctgcgctctg tggcggctgt tgctgcctcc tcctatgtgc ccagctggct 180
gtggctggta aaggagctcg aggctttggg aggggagccc tgatccgcct gaatatctgg 240
ccggcggtcc aaggggcctg caaacagctg gaggtctgtg agcactgcgt ggagggagac 300

agagcgcgca atctctccag ctgcatgtgg gagcagtgcc ggccagagga gccaggacac 360
tgtgtggccc aatctgaggt ggtcaaggaa ggttgctcca tctacaacg ctcagaggca 420
tgtccagctg ctcaccacca ccccacctat gaaccgaaga cagtcacaac agggagcccc 480
ccagtccctg aggcccacag ccctggattt gackgggcca gctttatcgg aggtgtcgtg 540
ctggtgttga gcctacaggc ggtggctttc tttgtgctga cttcctcaag gccaaggaca 600
gcacctacca gacgctgtga gtacctggcc agcagcaagt acctgagtcc cagctcacyt 660
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<210> 654
<211> 1021
<212> DNA
<213> Homo sapiens

<400> 654
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ctatggtgac cgaggacttg tgccgagcac cagacgggaa gaaaggggag gcaggaagac 180
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gccattcggc ggaacccccc aatggggggc aacgtggtca tcttcgacac ggtcatcacc 480
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a 1021

<210> 655
<211> 1086
<212> DNA
<213> Homo sapiens

<400> 655
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atggtgaccg aggacttgtg ccgagcacca gacgggaaga aaggggaggc aggaagacct 180
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gaccccaaaa agggtcacat ttaccagggc tctgaggccg acagcgtctt cagcggcttc 780
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aaaaaaaaaa aaaaaaaaaa aaaaaactcg agggggggcc cggtacccaa ttcgccgtat 1080
aatgag 1086

<210> 656
<211> 1352
<212> DNA
<213> Homo sapiens

<400> 656
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ccagctgtgc ccgacaccat gtacctgccc ctggccacct ccccgatgcc cgctgggagt 180
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cgaggacggc ggcttcacct gcgtgccgct gtgcagcgag gatgtgcggctgcccagctg 480
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ccttttctgg agtttgtaaa attgttcctg aatacaagcc tatgcgtgaa aaaaaaaaaa 1320
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<210> 657
<211> 1337
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1337)..(1337)
<223> n equals a,t,g, or c

<400> 657
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gaagacccac ctcctggcct tctccctcct ctgcctcctc tcaaaggtgc gtacccagct 120
gtgcccgaca ccatgtacct gcccctggcc acctccccga tgcccgctgg gagtaccct 180
ggtgctggat ggctgtggct gctgccgggt atgtgcacgg cggctggggg agccctgcga 240
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<210> 658
<211> 2092
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (637)..(637)
<223> n equals a,t,g, or c

<400> 658
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<210> 659
<211> 2494
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (920)..(920)
<223> n equals a,t,g, or c

<400> 659
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<210> 660
<211> 1957
<212> DNA
<213> Homo sapiens

<400> 660
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<210> 661
<211> 730
<212> DNA
<213> Homo sapiens

<400> 661
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ccagcactac 730

<210> 662
<211> 550
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (76)..(76)
<223> n equals a,t,g, or c

<400> 662
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<210> 663
<211> 807
<212> DNA
<213> Homo sapiens

<400> 663
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<210> 664
<211> 946
<212> DNA
<213> Homo sapiens

<400> 664
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<210> 665
<211> 1145
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)..(9)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (410)..(410)
<223> n equals a,t,g, or c

<400> 665
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<210> 666
<211> 869
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (765)..(765)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (800)..(800)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (847)..(847)
<223> n equals a,t,g, or c

<400> 666
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<211> 692
<212> DNA
<213> Homo sapiens

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<210> 668
<211> 3113
<212> DNA
<213> Homo sapiens

<400> 668

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<210> 669
<211> 980
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (937)..(937)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (956)..(956)
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<210> 670
<211> 888
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<221> misc_feature
<222> (864)..(864)
<223> n equals a,t,g, or c

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<210> 671
<211> 1651
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

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<210> 672
<211> 1746
<212> DNA
<213> Homo sapiens

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<210> 673
<211> 2492
<212> DNA
<213> Homo sapiens

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<210> 674
<211> 1579
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
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<222> (1556)..(1556)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
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<210> 675
<211> 587
<212> DNA
<213> Homo sapiens

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<211> 2242
<212> DNA
<213> Homo sapiens

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<211> 2381
<212> DNA
<213> Homo sapiens

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aggaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 2381

<210> 678
<211> 1931
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1212)..(1212)
<223> n equals a,t,g, or c

<400> 678
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aattgctttt ggctatcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaa 1920
agggcggccg c 1931

<210> 679
<211> 1517
<212> DNA

<213> Homo sapiens

<400> 679
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accaaagaca cgatgca 1517

<210> 680
<211> 2751
<212> DNA
<213> Homo sapiens

<400> 680
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<210> 681
<211> 468
<212> DNA
<213> Homo sapiens

<400> 681
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tggaagtaat tcgtctagga cacagttatt ttataaactg ggaccggaag atgtattaty 420
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<210> 682
<211> 181
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (178)..(178)
<223> n equals a,t,g, or c

<400> 682
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ctgggggagc attgccattt atttctccat tttatttaca atgcacagta atggcatctt 120
tggcatcttc ccaaaccagt ttccatttgt tggtaatgca cgacattccc tgacccanaa 180
g 181

<210> 683
<211> 612
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (47)..(47)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (534)..(534)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (537)..(537)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (563)..(563)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (565)..(565)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (591)..(591)
<223> n equals a,t,g, or c

<400> 683
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catgaacaag gagaagcctt tggagatatc taaactgtgc aaatgaatag tcgctggcta 180
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gctataggga gg 612

<210> 684
<211> 1024
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (29)..(29)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (986)..(986)
<223> n equals a,t,g, or c

<400> 684
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gtctcctgtt aggacccaga tcttaatatt ggctagtgat aaacttgtaa ctgtttcaat 180
aacaccctcc tgtaacttat cttctacagc agtggcacct agtagcatca aatctctttc 240
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cgtt 1024

<210> 685
<211> 366
<212> DNA
<213> Homo sapiens

<400> 685
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gataatgagc taatgtgata tctataggtc aaatttttt aaaaccaaaa ttttcaagtc 120
tgggataatc tttcctaaat gggatcaaat gaaataatat gtgtaaaaga gtcaaatgca 180
gtcctttacc atagtaactg cctatggacg ttgtctttcc cttacatgcc tgcctacact 240
taaccagatg ttggttttca agtctaatkt gtcattagtt tcaccacatt kgctcacttt 300
tkgtaacatt tttgcaagat ttgaaaactt tcagtaaatg ttttggcact attggtaaaa 360
aaaaaa 366

<210> 686
<211> 519
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (371)..(371)
<223> n equals a,t,g, or c

<400> 686
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gagtccttaa tctggtccct attaaattct tggtcagaca aagttacatt tcccaagaga 180
gtcaggtgac acttgagtga gtttgatgga taatgagcta atgtgatatc tataggtcac 240
aatttttaa aaccaaaatt ttcaagtctg ggataatctt tcctaaatgg gatcaaatga 300
aataatatgt gtaaaagagt caaatgcagt cctttaccat agtaactgcc tatggacgtt 360

gtctttccct nacatgcctg cctacactta accagatgtt ggttttcaat gtctaatttg 420
tcattagttt caccacattt gctcactttt tgtaacattt ttgcaagatt tgaaaacttt 480
cagtaaatgt tttggcacta ttggtaaaaa aaaaaaaaa 519

<210> 687
<211> 1867
<212> DNA
<213> Homo sapiens

<400> 687
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cacctcctcg tcctcgtccc catcctcctc agcctggtgg cctcccagga ctggaaggct 180
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taaagtattt tcggaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1860
aaaaaaa 1867

<210> 688
<211> 1722
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (401)..(401)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (695)..(695)
<223> n equals a,t,g, or c

<400> 688
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gcccgaagac atctaccaga tggctctcaa ccaggccctc aaagacctca aggcactggg 540
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagggcgg cc 1722

<210> 689
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (508)..(508)
<223> n equals a,t,g, or c

<400> 689
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atgtttcttt tttgtgttca gtgtttcaaa tacaatttgt atttaaggat tttaaaatac 360
caaactgtaa ctgagtacag tggatcgttt tctgttagga tgttaatatt atacaatgaa 420
atctataaag tgttgtcaat ttgattattg acacatataa catgtttaca aataaactgt 480
ggtattgatc aaaaaaaaaa aaaaaaancc cggggggggc cccggaaccc aatccc 536

<210> 690
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (322)..(322)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (394)..(394)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (397)..(397)
<223> n equals a,t,g, or c

<400> 690
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<210> 691
<211> 716
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (630)..(630)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (710)..(710)
<223> n equals a,t,g, or c

<400> 691
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<210> 692
<211> 2716
<212> DNA

<213> Homo sapiens

<400> 692
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<210> 693
<211> 427
<212> DNA
<213> Homo sapiens

<400> 693
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cagctctggt ttccttctcg gtttattctg ttagaatgaa atggttccca taaataaggg 360
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aaaaaaa 427

<210> 694
<211> 1257
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (549)..(549)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (589)..(589)
<223> n equals a,t,g, or c

<400> 694
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<210> 695
<211> 3302
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3274)..(3274)
<223> n equals a,t,g, or c

<400> 695

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<212> DNA
<213> Homo sapiens

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<210> 697
<211> 2227
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (289)..(289)
<223> n equals a,t,g, or c

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<211> 2214
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (289)..(289)
<223> n equals a,t,g, or c

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<211> 1005
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

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<211> 2988
<212> DNA
<213> Homo sapiens

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<211> 2052
<212> DNA
<213> Homo sapiens

<400> 701
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<210> 702
<211> 628
<212> DNA
<213> Homo sapiens

<220>
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<222> (137)..(137)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (450)..(450)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (465)..(465)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (488)..(488)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (585)..(585)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (619)..(619)
<223> n equals a,t,g, or c

<400> 702
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caagccccag ctcatcttna tctcccag 628

<210> 703
<211> 923
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)..(9)
<223> n equals a,t,g, or c

<400> 703
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cacgacatgt ggccatagct ctgatcctgc ttgttttggt caatgtcctt gtcatctgtg 240
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tcatcctccc cagcatcttc tacctccgca ttgtaccctc tgaggtggag cctttcttat 360
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caggccctgc tggcccaggt ccctgtgcgc atgcacatgg aggggtcagg gccgctccct 540
agggtccctc ctgcccaaca tgtggaggtg gctggttccc atgaagtgg ttgtcagagg 600
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aaaaaaaaaa aaaaagggcg gcc 923

<210> 704
<211> 1159
<212> DNA
<213> Homo sapiens

<400> 704
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aaaaaaaaaa aaaaaaaaa 1159

<210> 705
<211> 912
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (275)..(275)
<223> n equals a,t,g, or c

<400> 705
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<210> 706
<211> 321
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)..(3)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (298)..(298)
<223> n equals a,t,g, or c

<400> 706
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attggctata actgcaactt aaatcaaaaa ctatatccaa ctagatcttc gttgtggcta 180
tgcaactttt tgctttgtgg cctgaaggtt tttactgagg taacaacctcttatctcttg 240
tccttccctc aaccacaaaa gcaaaacccg ggaattccgg accggtacct gcaggctncc 300
ttctatagtg tcacctaaat a 321

<210> 707
<211> 2342
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (66)..(66)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (2332)..(2332)
<223> n equals a,t,g, or c

<400> 707
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ggagtaggca ttgctggagc tgtgtgtgtt tccagcaagt tgcgacctcg aggccagtgc 420
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cg 2342

<210> 708
<211> 717
<212> DNA
<213> Homo sapiens

<400> 708
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<210> 709
<211> 713
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (27)..(27)
<223> n equals a,t,g, or c

<400> 709
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gcattttgcc tctggtaggg atggccatgg tgccaccctc ctgggcctca ttgggtatca 600
cctatacaga aaggccaata gacccaaagt ctccaaaaag aagctcaagg aagagaaacg 660
aaacaagagc aaaaagaaat aataaataat aaattttaaa aaacttaaaa aaa 713

<210> 710
<211> 1165
<212> DNA
<213> Homo sapiens

<400> 710
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acaaaataaa aaaaaaaaaa aaaaa                                         1165
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<210> 711
<211> 1160
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (345)..(345)
<223> n equals a,t,g, or c

<400> 711

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gagcwggaat ggcgcagctr garggttact rtttctcggc cgccttgagc tgtacctttt    180
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<210> 712
<211> 979
<212> DNA
<213> Homo sapiens

<400> 712

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gggcgcgagg gaccggcctg ggccctggga tgttcacgca ggaccgcgtt gcgcgggggc 780
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<210> 713
<211> 680
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)..(7)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (9)..(9)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (15)..(16)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (22)..(22)
<223> n equals a,t,g, or c

<400> 713
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gacctgtggg ccatgatgct accccaatgg ctgctgctgc tgttccttct cttcttcttt 180
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gagaaatggc ttagcatcgc ctatggccgt tgtcagaaaa ttggaaggca gaagttggct 480
aagaaaatgt tcttctagtg ctccctcctt cttgctgsct cctcctycty cacctgctct 540
cctccctacc cagagctctg tgktcaccct gttccccaga gcctccacca tgagtggagg 600
gaagtgggga gtgattgaaa taaagagctt tttcaatgaa aaaaaaaaaa aaaaaaaaaa 660
aaactcgagg gggggcccgg 680

<210> 714

<211> 1188
<212> DNA
<213> Homo sapiens

<400> 714
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ctggggaaca gcagctccta ctatacctac cctgcccact ctggtccaac cgtgggcttg 180
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gcgtgggccc agcccaggac acatcagccc gacactccaa attctatcaa gagtggcatt 480
tattctcctt gtggaggtgc ggtgctccgg ggagctggtg ctattgtgct taggaaggag 540
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acggcccgag taaaaatccc ggcctattcc gggtgggaat atgtacaagg cggcggggca 660
caggcggggg tgggggcggg cgggccggcg gccgcagccc ccacccgagg gcccccgcac 720
ctcgggccct acttgtagaa tcagtacaaa ataggtgcta cctaaacgtt ccttctacct 780
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<210> 715
<211> 1342
<212> DNA
<213> Homo sapiens

<400> 715
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ggtcatgcca ggcacacact gctgcccaag aggagctgct gtttgaatta tctgtgaatg 180
ttgggaagag gaatgccaga gctgccggct gaaaattacc caaccaagag aaatctgcag 240
gatggacttt ctggtcctct tcttgttcta cctggcttcg gtgctgtagg gtcttgttct 300
tatctgcgtc tgctcgaaaa cccatagctt gaaaggcctg gccaggggag gagcacagat 360
attttcctgt ataattccag aatgtcttca gagagccrtg catggattgc ttcattacct 420
tttccatacg agaaaccaca ccttcattgt cctgcacctg gtcttgcaag ggatggttta 480
tactgagtac acctggggaa gtatttggct actgtcagga gctggagttg tccttgcatt 540
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ttgatgaagt gatgtttcca aagaacgtga ggtgctctac tgtgattta aggaaaccag 720
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cccatgggct tcggagcaac cttcaagaga tctttctacc tgcctttcca tgtcatgaga 1260
ggaagaaaca agaatgacaa gtgtatgact gcctttgagc tgtagttccc gtttatttac 1320
acatgtggat cctcgttttc ca 1342

<210> 716

<211> 1955
<212> DNA
<213> Homo sapiens

<400> 716
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ttcatagaaa tggagataga agctaccaat ggtgcggtgc cccagggcca gcgaccaccg 180
cctcgtatca agaatttcca gataaacaac cagattgtga aactgaaata ctgttacaca 240
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cgcttcgacc atcactgccc ctgggtgggg aattgtgttg gaaagaggaa ctaccgctac 360
ttctacctct tcatcctttc tctctccctc ctcacaatct atgtcttcgc cttcaacatc 420
gtctatgtgg ccctcaaatc tttgaaaatt ggcttcttgg agacattgaa aggaaactcc 480
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tggatttcat actttcctcg tggctctcaa ccagacaacc aatgaaagac atcaaaggat 600
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gctgtgaagt gctgtgtggc cccttgcccc ccagtgtgct ggatcgaagg ggtattttgc 720
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gaggccctga atgcacaaat gggaaaccaa ggcacagaga ggctctcctc tcctctcctc 1920
tcccccgatg taccctcaaa aaaaaaaaaa aaaaa 1955

<210> 717
<211> 1338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (133)..(133)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (867)..(867)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1338)..(1338)

<223> n equals a,t,g, or c

<400> 717
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gccagcgtgg cgngcctggc ggctcccggg tggtgagaga gcggtccggg aacgatgaag 180
gcctcgcagt gctgctgctg tctcagccac ctcttggctt ccgtcctcct cctgctgttg 240
ctgcctgaac taagcgggyc cctggmagtc ctgctgcagg cagccgaggc cgcgccaggt 300
yttgggcctc ctgaccctag accaggacat taccgccgct gccaccgggc cctwacccct 360
gcccagcagc cgggccgtgg tctggctgaa gctgcggggg ccgcggggct ccgagggagg 420
caatggcagc aaccctgtgg ccgggcttga gacggacgat cacggaggga aggccgggga 480
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gacggtcagg atgagaagaa gaaaccgaaa gactaggaga tatggagttt tggacactaa 660
catagaaaat atggaattga cacctttaga acaggatgat gaggatgatg acaacacgtt 720
gtttgatgcc aatcatcctc gaagataaga atgtgccttt tgatgaaaga actttatctt 780
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gaaaagaagc caaatttatt actttgtgtt ggggttttta aaatattaag aaatgtctaa 1260
gttattgttt gcaaaacaat aaatatgatt ttaaattctc ttaaaaaaaa aaaaaaaaac 1320
cccgggggggg ggcccggn 1338

<210> 718
<211> 802
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (337)..(337)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (359)..(359)
<223> n equals a,t,g, or c

<400> 718
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cccatcatgc acagatcaga gccatttctg aaaatgtcgc tgctgattct gcttttcctg 120
ggattggcag aagcctgtac tcctcgtgaa gtcaacttgc tgaaagggat cataggtctc 180
atgagcagac tgtcaccgga tgagatccta ggcttgctga gcctccaagt actgcatgaa 240
gaaacaagtg gctgcaagga ggaagttaaa cccttctcag gcaccacccc atccaggaaa 300
ccactcccca agagggaaga acacgtggaa yttcctngaa atgcgsctac atggtgrtng 360
acctacctct tcgtatccta caacaaaggg gactggttca ctttttcctc ccaagtgtta 420
ctgccaytac tgtaacttgg aactggacat cagggatgat cctgctgtt ctttctagtg 480
agcctgctcc atctcagctt agccttcaca aggcctccat ctcccaggca ttctaacctc 540
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aggaatggca cctgggtgcc cagaggcatg gccagaaggt gtctgtgggg gccatgcctt 660
aggggatgc acccagggcg gctgagagag caactgcagg agtttcccct aaaatctctc 720
ctccagatcg ttctcgaact ttccccacta cttccataat aaaatgtata cttgttgaaa 780
aaaaaaaaaa aaaaaactcg ag 802

<210> 719
<211> 1251
<212> DNA
<213> Homo sapiens

<400> 719
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tgaattacct tccgtccatc ttcatcgctg gggtcaattt tgtgctgccg cccgtgttca 120
agctcattgc tccactggag ggctacactc ggagtcgcca gatcgttttt atcctgctca 180
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tcacttgtgg gggcgactcc gaggctgagg actgcaaaac ctgtggctac aattacaaac 300
aacttccgtg ctgggagact gtcctgggcc aggaaatgta caaacttctg ctctttgatc 360
tgctgactgt cttggcagtc gcgctgctca tccagttttcc tagaaagctc ctctgtggcc 420
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tctccacctg ctccccggct gcccgcacct tccgggcctc cgcggcgaat ttctttttcc 660
ccttggtcct tctcctgggt ctggccatct ccagcgttcc cctgctttac agcatcttcc 720
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caacatctgt aaactaggag aactggagaa gactccacgc ccttccagct ttggtatctg 1140
gagatttcca gggcccctcg ccgccacgtc cctgactctc gggtgatctt ccttgtatca 1200
ataaatacag ccgaggttgc tgagaaaaaa aaaaaaaaaa aaaagtcgag c 1251

<210> 720
<211> 517
<212> DNA
<213> Homo sapiens

<400> 720
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ggcgtacact gtggctctgg ctaactccta cggacgcctc atctctgagc tcaaacgtca 180
gagasagacg gaggcgcaga ataaagtctt cctggcacgg cgcgctgtgg cgctgacctc 240
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gtaagcctag gtcacaacat ctgtaaacta ggagaactgg agaagactcc acgcccttcc 360
agctttggta tctggagatt tccagggccc ctcgccgcca cgtccctgac tctcgggtga 420
tcttccttgt atcaataaat acagccgagg ttgctgaaaa aaaaaaaaaa aaaaaaaaaa 480
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aactcga 517

<210> 721
<211> 1441
<212> DNA
<213> Homo sapiens

<400> 721
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cggccgggtc ccgatgagcc tcctgttgcc tccgctggcg ctgctgctgc ttctcgcggc 120
gcttgtggcc ccagccacag ccgccactgc ctaccggccg gactggaacc gtctgagcgg 180
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c 1441

<210> 722
<211> 2674
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2607)..(2607)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (2611)..(2611)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (2621)..(2621)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (2634)..(2634)
<223> n equals a,t,g, or c

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<221> misc_feature
<222> (2650)..(2650)
<223> n equals a,t,g, or c

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<222> (2660)..(2660)
<223> n equals a,t,g, or c

<220>
<221> misc_feature

<222> (2669)..(2669)
<223> n equals a,t,g, or c

<400> 722
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cagaggaaaa gggtggactc ctatgtgacc tgttcttaga gcaagacaat caccatctga 180
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gtttttttatt cacgccatcg ctgcagctct tgttattcac atcgaactcc tttgatgtga 540
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acatcaagtc aatttcaaga catactttcc gggactaaa gkcattaatt cacttgagcc 660
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<210> 723
<211> 2207
<212> DNA
<213> Homo sapiens

<400> 723
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cagaagccct gttcatggtt ggggatattt tctcgactgcatggaatcag aaagaagcaa 180
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<210> 724
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (315)..(315)
<223> n equals a,t,g, or c

<400> 724
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gccagaggcc gcggaggggc gaagacccgg agtaactctc ccttccnccc caacccggat 120
cgccagccct cgagagctct gtgctccacg ccgaggatgc accgtctctg gattggtccg 180
gccttcttcc taatgacatc gctcagcgtc tctggagccg tcatcccgcg gaatgggggc 240
ccaggggtg tcagytcggg gccttgcctc ttgcagctac tctgtggtca ggccgggtcc 300
tccaccatca ggaanatccc atcctgagct ctgtctcctg cccctcctgc tgtgggatgc 360
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ataaacgaca gcctcggctg cctcgtgctg aaaaaaaaaa aaaaaaaaaa 470

<210> 725
<211> 1186
<212> DNA
<213> Homo sapiens

<400> 725
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tacctacctg gctgcaggat gaagctggcc agtggcttct tggttttgtg gctcagcctt 180
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gagctgctgg gagggaagaa tggagtctgt cagtacaggt gccgatatgg aaaggcacca 360
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<210> 726
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (444)..(444)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (458)..(458)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (469)..(470)
<223> n equals a,t,g, or c

<400> 726
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<210> 727
<211> 1821
<212> DNA
<213> Homo sapiens

<400> 727
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acccagctac cttatgaata ctattcactg cccttctgcc agcccagcaa gataacctac 240
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aaaaaaactc gagggggggc c 1821

<210> 728
<211> 1094
<212> DNA
<213> Homo sapiens

<400> 728
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tgcttgggat gctgtcgccc tccagccggg gagctctcat gaccacagcc tgcttcctct 180
tcatgttcat gggggtgttt ggcggatttt ctgctggccg tctgtaccgc actttaaaag 240
gccatcggtg gaagaaagga gccttctgta cggcaactct gtaccctggt gtggtttttg 300
gcatctgctt cgtattgaat tgcttcattt ggggaaagca ctcatcagga gcggtgccct 360
ttcccaccat ggtggctctg ctgtgcatgt ggttcgggat ctccctgccc ctcgtctact 420
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ccatctttta tttcgttaac aagctggaca tcgtggagtt catcccctct ctcctctact 840
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aaaaaaaaaa aaaa 1094

<210> 729
<211> 1042
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)..(11)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (15)..(15)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (941)..(941)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1016)..(1016)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1022)..(1022)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1028)..(1028)
<223> n equals a,t,g, or c

<400> 729
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aattaaaatt aaaacttcag awatttgkgg gattacaatc ccawttacyt cccaangggg 1020
cnttaaangg ggggaaaaaa aa 1042

<210> 730
<211> 1556
<212> DNA
<213> Homo sapiens

<400> 730
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aatccacaaa acatttcaaa ttaaagaaat acattaaaag tctccagttt ttgctttaat 120
ttcacatttc atacactcac aatatttagg aaatagtcat tttgactgtc ttataactgg 180
gataagggtg cagcaacaat tctgccagat ggttaaatgc cccagaggat ttttgctctt 240
ctcttcctaa tttgggagct ataaagcagt ttttactccc aacacaaatt cttgataaaa 300
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aaaaaaaaaa aaaagtagcc ctgataccaa gttaatattc ccttgaaacc ttacttggct 420
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<210> 731
<211> 615
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)..(18)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (20)..(20)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (584)..(584)
<223> n equals a,t,g, or c

<400> 731
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cttattaaac atgaagaaaa tgagactttg tgagaagcaa tacagtatag aagttaagaa 240
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ataaagccct cagaagagtg tctggcacat ggtgagtatt ggctgtactg tggtcgatgt 540
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ctcacgccct ggtta 615

<210> 732
<211> 1125
<212> DNA
<213> Homo sapiens

<400> 732
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atggggtttc accatgttag tcaagctgct cttgttttgt tgttgttgtt gttgttgttg 180
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gaactttcga gaccttctcc ctgttatcca cacttacttt acagagtaga ctcagccatt 420
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tagggatggg tgactctttt gtttttgttt ttgttttgag ttgggtctct cgctctctca 600
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tgatatggcc tgcagcctct gcctgtaacc atcagagcga tactctcatt atcggcaagg 960
tgggacccmc cctggcccaa gagacagggc ctgttattcc actgtatgga ggagaagctg 1020
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<210> 733
<211> 2297
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (481)..(481)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1408)..(1408)
<223> n equals a,t,g, or c

<220>
<221> misc_feature

<222> (2248)..(2248)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (2277)..(2277)
<223> n equals a,t,g, or c

<400> 733
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caagggcggc tgccgggaga aggtgggcag ctggagtggg actgggggag acaggatcaa 120
tgtgacctgc ggtggtcccc aggtggccgg gatgcagtac ctgcacggcg tccygggccc 180
catcatcaac aaggtgtttg aggagaagta cgtggagctg gaccccagca aagtggawgt 240
taaggatgta gggtgaggcc gggggtaact ccgggggktg cggggygcag cggcagcggg 300
ttgggatcag gccctgtcag catgtgtgtt tgtgcttctg cccacccgtg tattgtcccc 360
tgtgtccgtg tcctggctgc tgtgagagcc actgttcctg tcgtggccct ggcgctgacc 420
gcgacctcct ctgccaaccc gccccgttcc acgcaggtgc tccgggctgc accgcccgca 480
naccgaggcc gaggtgctgg agcagagcgc gcagacgctg cgcgcccacc tgggggccct 540
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catcgccgtc accagcttcc tgtgcctgcg cttcttctct cccgccatca tgtcgcccaa 720
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ctgttgccaa cagtaaacct gctcttactg tcaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2160
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aaaaaaaaaa aaaaaaa 2297

<210> 734
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (455)..(455)

<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (457)..(457)
<223> n equals a,t,g, or c

<400> 734
ttacccagca acccaagtca tatcctgatg atatccatac tcctcagtca ygcatcccgt 60
ggtgcrgggg ctgaccccaa gaggagctgc tgcccccaga gggtggggag ccgaggcagg 120
gcctkggtca gacttaccag gctatgctcc cagcccagcc ctcactaggg acccccgart 180
gcatctctct cctctccarg cctctgtttc tccatctgtg caaccacagt gttggacatg 240
gtartcccaa gtgtctgctc gtaactttgc cctctctgtg cccccaggtc agggctgcga 300
taagacccgg tcacggtgac cctgcaggag tggaatgacc ctcttgaccr tgaccttgag 360
gcccagctca tctaccggca cctgctggc gtggaggcca tgctgtggga raggcaccgg 420
gagctgagcg agggcgcaga ggcaggcacg tgctnangag ccctggcaaa gtccccgagg 480
at 482

<210> 735
<211> 1081
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)..(9)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (17)..(17)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (35)..(35)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1077)..(1077)
<223> n equals a,t,g, or c

<400> 735
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ctggaacagc catttgggtc gtggagtgcg agcacggccg gccaatcgcc ggtcagagg 180
gccaggaggg gcgcggccat tcgccgcccg gcccctgctc cgtggctggt tttctccgcg 240
ggcgcctcgg gcggaacctg gagataatgg gcagcacctg ggggagccct ggctgggtgc 300
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cgcgcgcccg ggacgggat taccgcgcgc tctgcgacgt gggcaccgcc atcagctgtt 420
cgcgcgtctt ctcctccagg tggggcaggg gtttcgggct ggtggagcat gtgctgggac 480
aggacagcat cctcaatcaa tccaacagca tattcggttg catcttctac acactacagc 540
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tgtctctcgc tggttctgtc tacctggcct ggatcctgtt cttcgtgctc tatgatttct 660
gcattgtttg tatcaccacc tatgctatca acgtgagcct gatgtggctc agtttccgga 720
aggtccaaga accccagggc aaggctaaga ggcactgagc cctcaaccca agccaggctg 780

acctcatctg ctttgctttg gcatgtgagc cttgcctaag ggggcatatc tgggtcccta 840
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aatggaccaa atgtgccaca cgctcgctct tttttacacc cagtgcctct gactctgtcc 960
ccatgggctg gtctccaaag ctctttccat tgcccagggagggaaggttc tgagcaataa 1020
agtttcttag atcaatcaaa aaaaaaaaaa agggsggccg tctaaagwtc ccccganggg 1080
g 1081

<210> 736
<211> 720
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (20)..(20)
<223> n equals a,t,g, or c

<400> 736
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ggagccctgg ctgggtgcgg ctcgctcttt gcctgacggg cttagtgctc tcgctctacg 120
cgctgcacgt gaaggcggcg cgcgcccggg accgggattaccgcgcgctc tgcgacgtgg 180
gcaccgccat cagctgttcg cgcgtcttct cctccaggtt gcctgsggac acgctgggcc 240
tctgtmctga tgctgctgag ctccctggtg tctctcgctg gttctgtcta cctggsctgg 300
atcctgttct tcgtgctcta tgawtttctg cattgtttgt aatcaccacc tatgctatca 360
acgtgacctg atgtggctca gtttccggaa ggtccaagaa ccccagggca aggctaagag 420
gcactgagcc ctcaacccaa gccaggctga cctcatctgc tttgctttgg catgtgagcc 480
ttgcctaagg gggcatatct gggtccctag aaggccctag atgtggggct tctagattac 540
cccctcctcc tgccataccc gcacatgaca atggaccaaa tgtgccacac gctcgctctt 600
ttttacaccc agtgcctctg actctgtccc catgggctgg tctccaaagc tctttccatt 660
gcccagggag ggaaggttct gagcaataaa gtttcttaga tcaaaaaaaa aaaaaaaaaa 720

<210> 737
<211> 1932
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (293)..(293)
<223> n equals a,t,g, or c

<400> 737
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asctcggcac ctgcaggtcc gtgcgtcccg cggctggcgc ccctgactcc gtcccggcca 120
gggagggcca tgatttccct cccggggccc ctggtgacca acttgctgcg gtttttgttc 180
ctggggctga gtgccctcgc gccccctcg cgggcccagc tgcaactgca cttgcccgcc 240
aaccggttgc aggcggtgga gggaggggaa gtggtgcttc cagcgtggta cancttgcac 300
ggggaggtgt cttcatccca gccatgggag gtgccctttg tgatgtggtt cttcaaacag 360
aaagaaaagg aggatcaggt gttgtcctac atcaatgggg tcacaacaag caaacctgga 420
gtatccttgg tctactccat gccctcccgg aacctgtccc tgcggctgga gggtctccag 480
gagaaagact ctggccccta cagctgctcc gtgaatgtgc aagacaaaca aggcaaatct 540
aggggccaca gcatcaaaac cttagaactc aatgtactgg ttcctccagc tcctccatcc 600
tgccgtctcc agggtgtgcc ccatgtgggg gcaaacgtga ccctgagctg ccagtctcca 660
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tttgcaccag cattagatgt catccgtggg tctttaagcc tcaccaacct ttcgttttcc 780
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tggttggact ggggttgctg gctgggctgg tcctcttgta ccaccgccgg ggcaaggccc 960
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atgtttgtat garaaaaaaa aaaaaaaaaa aaaaagggcg gccgctctag aggatccctc 1860
gaggggccca agcttacgcg tgcatgcgac gtcatagctc tctccctata gtgagtcgta 1920
ttataagcta gg 1932

<210> 738
<211> 1595
<212> DNA
<213> Homo sapiens

<400> 738
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ccttccaagc actggaaaca aacattggag accaagtgag gcgtcactca acagccgtag 120
taatcaggga aatgacaagt tacatactga tatcctttgt tttgctgatt ggagttgggt 180
gcattgaaaa agatcagtcg tgcccagtgt ttgggggaag gaagcgtctt cacctgttgt 240
ttgtgggagg acagttgagg caggtssagc tgggagctcc ccgacctcca ggagggcaag 300
atccaagcca tcagcgactc ggacgrggtg aactacccct ggtacggcaa caccacagag 360
acctgcacca tcgtgggccc caccaagagg gactccaagt tcatcatcag catgaatgac 420
aacttttacc ccagcgtcac atgggccgtg cccgtcagcg agagcaacgt ggccaagctc 480
accaacatct accgggacca gagcttcacc acctggctgg tggccaccaa cacctccacc 540
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aaaatcctga gcaagaatga gcccatcccg cccagcgccc tggtcaagcc caatgccaac 720
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cagaggtgga gggagggttg gggtcgcccg cgagartctc ttgarccctt cttcccggtt 1440
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tttggcagaa ataaaaccac argtagaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaa 1595

<210> 739
<211> 970
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (854)..(854)
<223> n equals a,t,g, or c

<400> 739
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aartccctct tggtggggcc cacgatggtg caggtcctcc tgtggtgttg cccgtacag 120
ggtagttcac cccgtccgag tcgctgatgg cttggatctt gccctcctgg aggtcgggga 180
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tagtggggac ggggtcgatg gaggctttca catcaatcac cgtgatccct tcccggaaga 420
ctctggcttt gcctccgatg ctctgaatac agcccatggc atacaggagc gctctgatct 480
ccagggaagg ccagcagtca cagaaaaaac caggcattga aaggacagaggctgcaggac 540
ccagtacaga cggcgctgct ctccaatctc aactctcaag accgatatcc ataggataga 600
aaactcactg agtagactgg ggttgcatat atcactaccg cggcctgttt ataaataagg 660
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caccgatatt ctttgggtta aaaaaagttt gtagtttaat gaataattat gcggttctga 780
catccagccc ttctgtgcct cacacgcggg gacggcagct cgcagactct ccctgaagtc 840
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ggccgcgcca ccctcgcggc agaagcctga cttcctgccc tccggcttc cgcacgcgct 960
cccggcacga 970

<210> 740
<211> 711
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (345)..(345)
<223> n equals a,t,g, or c

<400> 740
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cataccctct accgtggaca ccaggcagcc ctggggctga tggagagaga tcaggtatcc 120
cccagggagt aggggctacc ttgaggggat gatagacctc ccccactccc agtgkkactc 180
tggaaatatg aaggaactag ggagtggaag agatttcaga gtggggaga ggagttcctc 240
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tggtggtaaa gtggagcaat cccttcacgc tccttggcca tgttctgagc ggccagcttg 660
gcctttgcct taataaatgt gctttatttt caaaaaaaaa aaaaaaaaac t 711

<210> 741
<211> 973
<212> DNA
<213> Homo sapiens

<400> 741
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ctggccccac ggggcattgc tcttcctctg gctcttctcc ccacccctgg gggccggtgg 180
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gctggaggag ctcaacctgt cccacaacaa cctgatgtcg ctgccccacg acctcttcac 960
gcccctgcac cgc 973

<210> 742
<211> 984
<212> DNA
<213> Homo sapiens

<400> 742
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gatgtcctgg ccccacgggg cattgctctt cctctggctc ttctccccac ccctgggggc 180
cggtggaggt ggagtggccg tgacgtctgc cgccggaggg ggctccccgc cggccacctc 240
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cggcatccag gtgatccgga cggacacgtt caagcacctg cggcacctgg agattctgca 420
gctgagcaag aacctggtgc gcaagactcga ggtgggcgcc ttcaacgggc tgcccagcct 480
caacacgctg gagcttttg acaaccggct gaccacggtg cccacgcagg ccttcgagta 540
cctgtccaag ctgcgggagc tctggctgcg gaacaacccc atcgagagca tcccctccta 600
cgccttcaac cgcgtgccct cgctgcggcg cctggacctg ggcgagctca agcggctgga 660
atacatctcg gaggcggcct tcgargggct ggtcaacctg cgctacctca acctgggcat 720
gtgcaacctc aaggacatcc ccaactgacg gccctggtgc gcctggagga gctggagctg 780
tcgggcaacc ggctggacct gatccgcccg ggctccttcc agggtctcac cagcctgcgc 840
aagctgtggc tcatgcacgc ccaggtagcc accatcgagc gcaacgcctt cgacgacctc 900
aagtcgctgg aggagctcaa cctgtcccac aacaacctga tgtcgctgcc ccacgacctc 960
ttcacgcccc tgcaccgcct cgta 984

<210> 743
<211> 553
<212> DNA
<213> Homo sapiens

<400> 743
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agaagccatc aatgagagga tccaggaggt cgccggctcc ctaatattta gggcaataag 180
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aggcttcgcc gtcaccggct gcacttgtgg ctccgcctgt ggctcgtggg atgtgcgcgc 300
cgagaccaca tgtcactgcc agtgcgcggg catggactgg accggagcgc gctgctgtcg 360
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gagggttgcg ggggagctgg aaataaacct ggagatgatg atgatgatga tgatggaaaa 480
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540
aaaaaaaaaa aaa 553

<210> 744
<211> 1614
<212> DNA
<213> Homo sapiens

<400> 744
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gggccggcac cagcattttg tggttacgaa ttctacagtc acaaatatctttgggcaaat 180
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tggccctgcc aacaccactg tttttacttc tgctcattgg ctgagtgcag tggttcctgg 360
aagccagtgg cacgtttccc cgcgtagctc gcttatccca cagcacacac ccaagggttc 420
tgttgctaac acgctgaatt aattctttgc tcatcttaca gagtgtgttt tgactgcccc 480
catttctgag gccttgtaag gccagagctt tgttgcttca tcggcaggtt gggacttaga 540
tggccgtgaa tgtttcctct ctgctgctgc agtaagtaag tgccgcacc atagtgtgtt 600
tggaggctga agttgaagcg aggctgtgag gggagatgga cgtgtgagga gggatgatgg 660
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gtgcctttaa tgataaaagt gatctgcata gagtcaaaaa ttcaagccat gggtataaaa 1560
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<210> 745
<211> 1087
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)..(14)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (55)..(55)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (63)..(64)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (174)..(174)

<223> n equals a,t,g, or c

<400> 745
caagttaaag taangtggcc ccggcaacca ataagtgttg tttttggaag ggctngaaag 60
ttnnaaagcg agggcttgta aaggggaaga tgggaccgtt gtgaaggaag gatgattggg 120
gctttgaagc aaaagtgggg gaaggggggca aaggcagttg gcccaacaca ttcnccaccc 180
ctttgagagg tctgaggcct gcagacctgg ctcggagccc acctggtagt cctcagactg 240
tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtaaa agagagaagt 300
tgtggagaaa tgggggggctg attctgctca gattcatcag gatgagtaga aggcacccag 360
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cttcccatct ggaccctgct gggcagggct tctragctcc ttagcactag caggaggggc 480
tccaggggcc ctccctccat ggcagccagg acaggactct aaaatgagga cagagagct 540
cgtgggggggc tcccacggac ccgcckgggg cccaggggag gcagagcctg agccaacagc 600
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cagttcccag gaaggaatcc acagctgacg gtggctgaca gatcagagaa tggaaggcga 840
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gatttgtgcc tttaatgata aaagtgatct gcatagagtc aaaaattcaa gccatgggta 1020
taaaatgtca agtaaaatcc ctgccctcac ctatcccacc ctactacaca gagatgtcct 1080
ctcgagg 1087

<210> 746
<211> 1201
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (66)..(66)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1182)..(1182)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1184)..(1184)
<223> n equals a,t,g, or c

<400> 746
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cccctnkgct gcaggaattc ggcacgagct gctgtctgtg cttcgggatc ctgccctcca 120
gaagtcctcc aaggcttggt acttgctgcg tgtccaggtc ctgcagctgg tggcagctta 180
ccttagcctc ccgtcaaaca acctctcaca ctccctgtgg gagcagctct gtgcccaagg 240
ctggcagaca cctgagatag ctctcataga ctcccataag ctcctccgaa gcatcatcct 300
cctgctgatg ggcagtgaca ttctctcaac tcagaaagca gctgtggaga catcgttttt 360
ggactatggt gaaaatctgg tacaaaaatg ccaggttctt tcagaggtgc tgagctgctc 420
agagaagctg gtctgccacc tgggccgcct gggtagtgtg agtgaagcca aggccttttg 480
cttggaggcc ctaaaactta caacaaagct gcagatacca cgccagtktg ccctgttcct 540
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cctgaagccg ctgagcgcct cacccaagct ctccaagctt ccctgaatca taaaacaccc 1080
ccctccttgg ttccaagcct cttggatgag atttggctaa gcatacacac tgttgcactg 1140
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t 1201

<210> 747
<211> 628
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (567)..(567)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (596)..(596)
<223> n equals a,t,g, or c

<400> 747
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gttccagatt caattgaaag tgcattgcag ggtgatgaaa gatgtgtgct tgatactatg 120
cgtttggttg accttctctt ggtgctatta tttgaaggac gaaaagcttt gccaaagtct 180
agtgctggat ctacaggcag aatcccagga ctccggagat tagatagttc tggggagcgc 240
tcacatcggc agcttataga ttgtattcga agtaaagata ccgatgcact tatagatgca 300
attgacacag gaggtcagaa aatatttttt taaatataaa aagaaagttg tgagataacc 360
atataggcag tttctagttt tcggacagta ctcttagaaa tccagtaaac aaagtggcac 420
cccttcgata ttctccccta tccctgtgca taattatgta attatcagct tggttcttgg 480
tgaaacctga ataaatgctt tttgatgcaa aaaaaaaaaa aaaagaaaaa taaaaaaaaa 540
agataaaaaa aaaccttaaa aaaaaanaaa aaaaaaaaaa aaaaaaaaaa gaaaanaaaa 600
aaaaaaaaca aaaaaaaaaa aaaaaaaa 628

<210> 748
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (367)..(367)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (380)..(380)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (408)..(408)
<223> n equals a,t,g, or c

<400> 748
atcgtgctca agtacatcat ggctggttgc cccttgtttc tgggtaatct ctgggatgtg 60
actgaccgcg acattgaccg ctacacggaa gctctgctgc aaggctggct tggaagcagg 120
cccagggccc cccttctcta ctatgtaaac caggcmcgcc aagctccccg actcaagtat 180
cttattgggg ctgcacctat acctatggct tgcctgtctc tctgcggtaa ccccatggag 240
ctgtcttatt gatgctagaa gcctcataac tgttctacct ccaaggttag atttaatcct 300
taggataact cttttaaagt gattttcccc agtgttttat atgaaacatt tccttttgat 360
ttaaccncag ataataaagn tacatccatt taaaaaaaaa aaaaaaancc cgaggggggg 420
cccgg 425

<210> 749
<211> 1016
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1)
<223> n equals a,t,g, or c

<400> 749
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accccctacc tgggggacag ggcaagtgag acctggtgag ggtggctcag caggaaggaa 120
ggagaggtgt ctgtgcgtcc tgcacccaca tcttctctg tcccctcctt gccctgtctg 180
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tggtggcccg tccttgtggt tcctctctac ttggggaaat caggtgcagc ggccatggct 300
acagcaagac ccccctggat gtgggtgctc tgtgctctga tcacagcctt gcttctgggg 360
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ccctctggga gcaaccagga cctgggagct ggggccgggg aagacgcccg gtcggatgac 480
agcagcagcc gcatcatcaa tggatccgac tgcgatatgc acacccagcc gtggcaggcc 540
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ctgtcacagt ttattgaatc tgggccggag atgtccaggg ggtcaattca atcccgcaca 720
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acaacacagg tgagcataag ggtaccgcga tggtcgcatg gagggaccac gtgttgggtt 840
gtagggcaca caaacgacca aggcatcctg gagcacagga tatcgcgaga atcaaagccg 900
aaggtccaaa cactagtaca gttgaggaac gggatgtgaa atagtacgag gcaaataaca 960
cccggggttc cacatgaaat agctttttct cgcctcttcc ctccccccttc ctctgg 1016

<210> 750
<211> 1490
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1)
<223> n equals a,t,g, or c

<400> 750
ngccaggaag gcacaggcct gagaagtctg cggctgagct gggagcaaat cccccacccc 60
ctgtctggag gctgctagac tcctatcttc tgaattctat agtgcctggg tctcagcgca 120
gtgccgatgg tggcccgtcc ttgtggttcc tctctacctg gggaaataag gtgcagcggc 180
catggctaca gcaagacccc cctggatgtg ggtgctctgt gctctgatca cagccttgct 240
tctgggggtc acagagcatg ttctcgccaa caatgatgtt tcctgtgacc acccctctaa 300
caccgtgccc tctgggagca accaggacct gggagctggg gccggggaag acgcccggtc 360
ggatgacagc agcagccgca tcatcaatgg atccgactgc gatatgcaca cccagccgtg 420

gcaggccgcg ctgttgctaa ggcccaacca gctctactgc ggggcggtgt tggtgcatcc 480
acagtggctg ctcacggccg cccactgcag gaagaaagtt ttcagagtcc gtctcggcca 540
ctactccctg tcaccagttt atgaatctgg gcagcagatg ttccaggggg tcaaatccat 600
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aagctcaggg cccatccctt ctctgcagct ctgacccaaa tttagtccca gaaataaact 1380
gagaagtgga aacaaacaca acccccgatc atataaacgc agcacacttc acccaccggc 1440
actacccgcc acgccagcca cccccaccac aaacggccgc tccttacccg 1490

<210> 751
<211> 1441
<212> DNA
<213> Homo sapiens

<400> 751
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ccctgtctgg aggctgctag actcctatct tctgaattct atagtgcctg ggtctcagcg 120
cagtgccgat ggtggcccgt ccttgtggtt cctctctact tggggaaatc aggtgcagcg 180
gccatggcta cagcaagacc cccctggatg tgggtgctct gtgctctgat cacagccttg 240
cttctggggg tcacagagca tgttctcgcc aacaatgatg tttcctgtga ccacccctct 300
aacaccgtgc cctctgggag caaccggacc tgggagctgg ggccggggaa gacgcccggt 360
cggatgacag cagcagccgc atcatcaatg gatccgactg cgatatgcac acccagccgt 420
ggcaggccgc gctgttgcta aggcccaacc agctctactg cggggcggtg ttggtgcatc 480
cacagtggct gctcacggcc gcccactgca ggaagaaagt tttcagagtc cgtctcggcc 540
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caagctcagg gcccatccct tctctgcagc tctgacccaa atttagtccc agaaataaac 1380
tgagaagtgg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1440
a 1441

<210> 752
<211> 1516
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (34)..(34)
<223> n equals a,t,g, or c

<400> 752
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gtcgacccac gcgtccgcag gagaggtgtc tgtgcgtcct gcacccacat ctttctctgt 120
cccctccttg ccctgtctgg aggctgctag actcctatct tctgaattct atagtgcctg 180
ggtctcagcg cagtgccgat ggtggcccgt ccttgtggtt cctctctact tggggaaatc 240
aggtgcagcg gccatggcta cagcaagacc cccctggatg tgggtgctct gtgctctgat 300
cacagccttg cttctggggg tcacagagca tgttctcgcc aacaatgatg tttcctgtga 360
ccacccctct aacaccgtgc cctctgggag caaccaggac ctgggagctg gggcgggga 420
agacgcccgg tcggatgaca gcagcagccg catcatcaat ggatccgact gcgatatgca 480
cacccagccg tggcaggccg cgctgttgct aaggcccaac cagctctact gcggggcggt 540
gttggtgcat ccacagtggc tgctcacggc cgcccactgc aggaagaaag ttttcagagt 600
ccgtctcggc cactactccc tgtcaccagt ttatgaatct gggcagcaga tgttccaggg 660
ggtcaaatcc atcccccacc ctggctactc ccaccctggc cactctaacg acctcatgct 720
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ccctgggaac aatttccaaa actgtccagg gcgggggttg cgtctcaatc tccctggggc 1380
actttcatcc tcaagctcag ggcccatccc ttctctgcag ctctgaccca aatttagtcc 1440
cagaaataaa ctgagaagtg gaatcttaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1500
aaaaaagggc ggccgc 1516

<210> 753
<211> 1381
<212> DNA
<213> Homo sapiens

<400> 753
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tgagaagtct gcggctgagc tgggagcaaa tcccccaccc cctacctggg ggacagggtg 120
cagcggccat ggctacagca agacccccct ggatgtgggt gctctgtgct ctgatcacag 180
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tcggccacta ctccctgtca ccagtttatg aatctgggca gcagatgttc caggggtca 540
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aactgaacag aagaattcgt cccactaaag atgtcagacc catcaacgtc tcctctcatt 660
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tgcacttccc taaggtcctc cagtgcttga atatcagcgt gctaagtcag aaaaggtgcg 780
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a 1381

<210> 754
<211> 1439
<212> DNA
<213> Homo sapiens

<400> 754
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<210> 755
<211> 1191
<212> DNA
<213> Homo sapiens

<400> 755
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<210> 756
<211> 1626
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (525)..(525)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (542)..(542)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (562)..(562)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (607)..(607)
<223> n equals a,t,g, or c

<400> 756
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gtttggatgg agctttgtct ttgaggactt tgtctctgat gagctgagaa acaaagccac 360
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aaaaaa 1626

<210> 757
<211> 549
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (496)..(496)
<223> n equals a,t,g, or c

<400> 757
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ccgccggcgt ggaccgcgca cggcctctag gtctcctcgc caggacagca acctctcccc 180
tggccctcat gggcaccgtc agctccaggc ggtcctggtg gccgctgcca ctgctgctgc 240
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acgtggtggt gctgaaggag gagacccacc tctcgcagtc agagcgcact gcccgccgcc 480
tgcaggccca ggctgnccgc cggggatacc taccaagatc ctgcatgtct tccatggcct 540
tcttcctgg 549

<210> 758
<211> 1120
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)..(6)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (13)..(13)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (17)..(17)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1020)..(1020)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1084)..(1084)
<223> n equals a,t,g, or c

<400> 758
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cgagcacgga accacagcca ccttccaccg ctgcgccaag gatccgtgga ggttgcctgg 540
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aaanccccct ttgggggggcc ccccccaaaa aaaggggggg 1120

<210> 759
<211> 1893
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(1)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (5)..(5)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1853)..(1853)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1871)..(1871)
<223> n equals a,t,g, or c

<400> 759
ngggnttttt ttttttttt ttttttttag gacaacgttt gtttgttttt attttaaaan 60
gtcaccatat taataaaaat gctacaaaac ccagaataaa tatcttcaag ttacaaaagc 120
aaaacaggtc tagaaaagtt ggctgtaaaa aggcaacaga gaggacagac ccaaaagata 180
aatgtctgct tgcttgggtg gggctggtgc tcaaggaggg acagttgttg gccctctccc 240
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caatggcgta gacaccctca cccccaaaag cgttgtgggc ccgggagccc aanttsaaag 1860
aagattcccc nttccccccc stcccccgtg tgc 1893

<210> 760
<211> 1187
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (39)..(39)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (46)..(46)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1052)..(1052)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1108)..(1108)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1129)..(1129)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1138)..(1138)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1158)..(1158)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1172)..(1172)
<223> n equals a,t,g, or c

<400> 760
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ggcctggagt ttattcggaa aagccagctg gtccagcctg tggggccact ggtggtgctg 180
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<210> 761
<211> 2351
<212> DNA
<213> Homo sapiens

<400> 761
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aatgctatga agcttatgta atttacaact ttatgggatt ccttaccaat tatctaacta 600
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<210> 762
<211> 1001
<212> DNA
<213> Homo sapiens

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<211> 669
<212> DNA
<213> Homo sapiens

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aaaaaaaaa 669

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<211> 1356
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

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